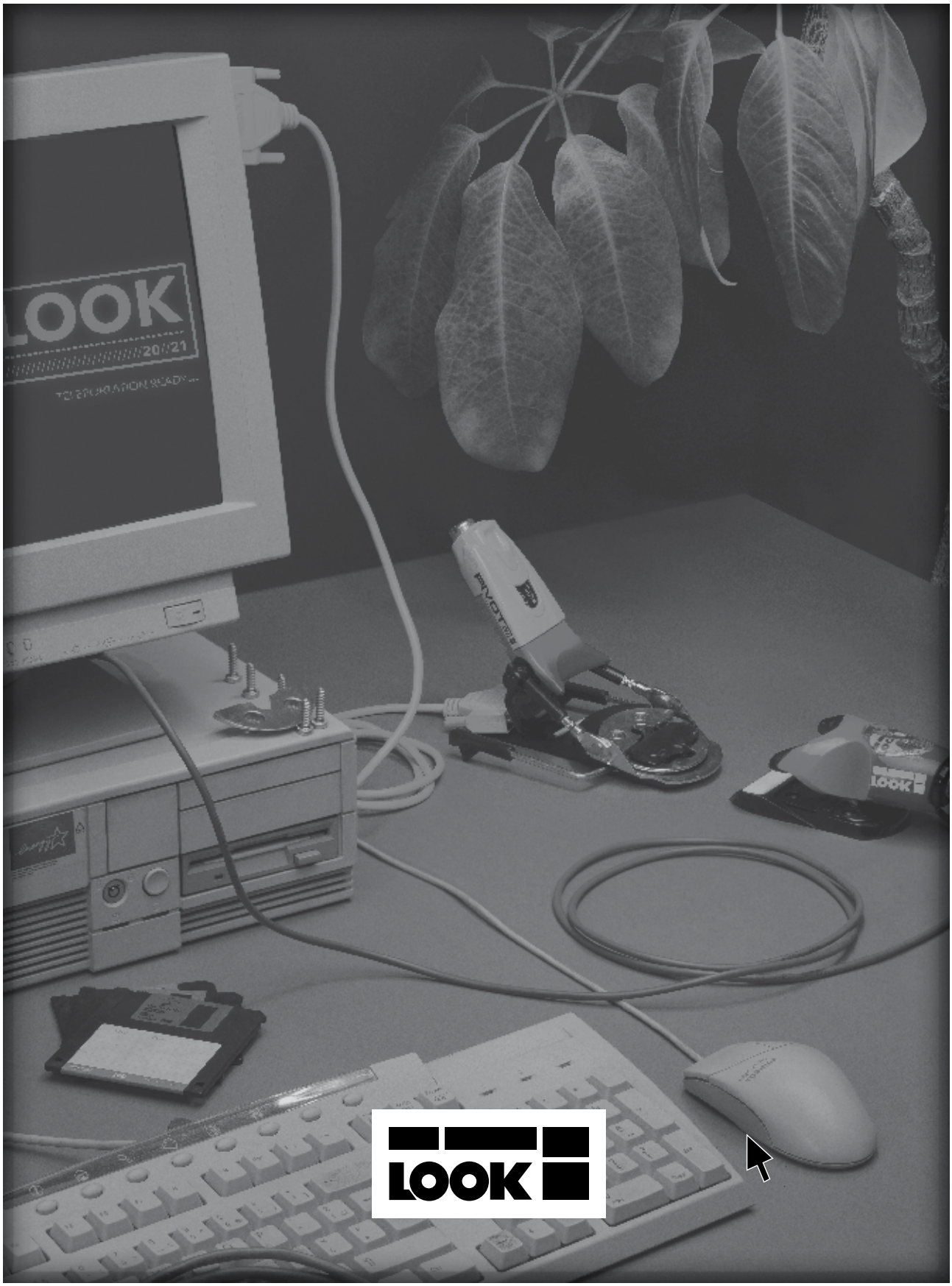
TECHNICAL MANUAL 2020/21



> WELCOME

Welcome to the technical support program for the Rossignol Group ski binding brands, including Look and Rossignol. You will find comprehensive technical information on all current and recent Look and Rossignol ski bindings within this manual (or on our technical training website at: http://techtraining.mountaincenter.com).

This includes:

- Instructions for: inspection, mounting, adjusting, testing, and dispatch of all retail, rental, and demo binding models
- Lists of all current indemnified binding models
- Explanations on all assembly and adjustment procedures, including all precautions and sequence to ensure correct execution

Please keep this technical manual on hand for reference when working with ski bindings. We also strongly recommend attending one of our branded binding clinics and/or the Ski Mechanics Learning Center prior to working with any Rossignol or Look binding.

If you need more information, or do not find what you are looking for within these pages, please call Dealer Services at 435-252-3300 (U.S.) or 514-933-9971 (Canada).

Look and Rossignol pride themselves on delivering ski bindings with a uniquely effective combination of performance, protection, and ease-of-use tailored to each specific type of ski and skier.

> TECHNICAL TRAINING

Completing the Technical Review is one of the requirements of The Rossignol Group Indemnification Program.

Any person mounting, adjusting, inspecting, testing, or dispatching Look or Rossignol bindings must have successfully completed a Technical Review.

Unless otherwise stipulated, all Rossignol Group Technical Training Acknowledgements are valid for a two-season period.

Rossignol Group Technical Reviews can be found on pages 58 and 59 of this manual, or on-line at http://techtraining.mountaincenter.com. To access the on-line Technical Review you will be required to enter your store's account number and password (passwords are e-mailed to all Look and Rossignol dealers).

Ski shops must execute a Rossignol Group Alpine Ski Binding Indemnification Agreement (see page 4) each year before technicians can access the Technical Training website.

U.S. ONLY:

To receive your Technical Training Acknowledgement, you must:

1. Have current employment at a shop that has accepted the current Rossignol Group Indemnification Agreement online.
2. Read this Technical Manual.
3. Gain knowledge on Look and Rossignol bindings.
4. Mount and adjust a Look and/or Rossignol binding.
5. Complete the Technical Review online at: http://techtraining.mountaincenter.com

To mail your completed Technical Review in the U.S. and Canada:

U.S.
Group Rossignol USA
Attn: Technical Reviews
PO Box 981060
Park City, UT 84098

Canada
Groupe Rossignol Canada
Attn: Technical Reviews
3700 St-Patrick, Suite 326
Montreal, Québec H4E 1A2

Once Technical Reviews have been submitted to the appropriate US or Canadian office, you will either be entered in the Tech Training database according to your shop, or you will be sent a request to submit a new Technical Review.

We recommend each shop retain a copy of all Technical Training Acknowledgments. To transfer a Technical Training Acknowledgment to another shop, please inform the Rossignol Group in writing of your intent.

Shops that lose technicians should contact their Rossignol Group Dealer Service representative immediately to arrange for another technician to complete the Technical Review.

U.S. Rossignol Group Technical Training Fees
The Rossignol Group will bill your shop's account:

- **A $10 fee for each Technical Review completed online ($50 maximum per storefront).**
- **A $25 fee for each paper Technical Review submitted by mail (no maximum).**

CANADA Rossignol Group Technical Training Fees
The Rossignol Group will bill your shop's account:

- **No fee for all technicians who complete the Technical Review online and work for an Authorized Dealer.**
- **A $25 fee for each paper Technical Review submitted by mail ($50 maximum per storefront).**
- **A $25 fee for each technician who completes a Technical Review without working for an Authorized Dealer.**

Rossignol Group Technical Training is one of the requirements to qualify for indemnification.

Technical Training is valid for a two season period, expiring September 30.

> INDEMNIFICATION 2020/21

Rossignol Group Alpine Ski Binding Indemnification Agreements are available to all Look and Rossignol ski binding dealers. Please note:

- New Indemnification Agreements are required each year
- Indemnification Agreements are accessed at: http://indemn.rossignol.com
- Use the shop-specific ID emailed to each Look and Rossignol ski binding dealer

Subject to the terms of the Rossignol Group Alpine Ski Binding Indemnification Agreement, the Rossignol Group agrees to hold the shop harmless from any liability relating to claims for personal injury sustained by the customer as a result of the use of Look and Rossignol bindings. This is providing the shop follows all of the terms and conditions of the Rossignol Group Alpine Ski Binding Indemnification Agreement, and the procedures described within this Technical Manual.

The Rossignol Group Alpine Ski Binding Indemnification Agreement is not effective until executed by the dealer. Read your agreement carefully, the above is only a summary.

INDEMNIFIED BINDINGS

The following list of bindings are included in the Rossignol Group Alpine Ski Binding Indemnification Agreement. Only those bindings listed below, that were distributed by Group Rossignol USA, Inc., Groupe Rossignol Canada Inc., Rossignol Ski Company, Incorporated, Skis Rossignol Canada, Ltd., Skis Dynastar, Inc., and Skis Dynastar Canada, Ltd. will qualify for indemnification.

Bindings are removed from this list when they are no longer supported with parts and technical information.

Please note:

- **Look HM and Superlite bindings are not covered by this indemnification program**
- **Any 3rd party modifications made to Look bindings voids the bindings warranty and are no longer covered by this indemnification program**

INDEMNIFIED BINDINGS

LOOK/DYNASTAR/ROXY
Pivot 18 *(all versions)*
Pivot 15 *(all versions)*
Pivot 14 *(all versions)*
Pivot 12 *(all versions)*
SPX Racing
SPX 15 *(all versions)*
SPX 14 *(all versions)*
SPX 12 *(all versions)*
SPX 10 *(all versions)*
PX 18 *(all versions)*
PX Racing
PX 15
PX 14
PX 12
PX 10
SPX Team
PX Team
Nova 11
Nova 9
Nova 7
Nova Team 7
N11
N9
N7
Nova Team
NX 12 *(all versions)*
NX 11 *(all versions)*
NX 10 *(all versions)*
NX 9 *(all versions)*
NX 7 *(all versions)*
NX Jr 10 *(all versions)*
NX Jr 7 *(all versions)*
NX Jr
NX Exclusive
NX Team 10
Xpress *(all versions)*
Xpress Jr *(all versions)*
Xpress Jr 7 *(all versions)*
Xpress 10 GW Rental
Nova
C-Cube
Team P10
Team 8 Maxplate
Team 8
Team 4 *(all versions)*
Team 2RL
T4
T2
Xpress Kid
Kid-X
Kid-X 4 *(all versions)*
Kid-X 4 Rental System
XM 16 (AT version only)
XM 13 (AT version only)

ROSSIGNOL
FKS 18
FKS 15
FKS 14 Dual
FKS 14
FKS 12 Dual
FKS 12
Axial^3 120 Dual
Axial^3 Race
Axial^3 150
Axial^3 140
Axial^3 120
Axial^3 100
Axial^3 Race Jr.
Axial^2 WC
Axial^2 Race
Axial^2 Freeride
Axial^2 140
Axial^2 120
Axial^2 110
Axial^2 100
Axial^2 Race Jr.
Zip/Axium 100
WZip/Saphir 90
Zip/Comp J
Zip Kid
Princess 25
Xelium
Xelium Jr
Xelium Kid 45
Saphir 300
Saphir Pucci
Saphir JCC
Saphir 120
Saphir 110
Saphir 100
Saphir 90
Saphir 95
Saphir Jr. 70
Saphir Jr. 45
Axium 120
Axium 110
Axium 100
Axium 95
Axium 90
Axium 70
Axium Scratch
Axium 300
Axium 200
Axium Jr Pro
Axium Jr 70
Axium Jr
Fun Girl Jr.
Scratch Jr.
SAS Jr.
Comp J (All versions)
Comp Baby (All versions)
Comp Kid (All versions)
Kid X (All versions)

MOVEMENT
FREESKI 120
FREESKI 100
Bonkers 140
Bonkers 120
Bonkers 100

> VISUAL INSPECTION

The technician is responsible for visual inspection of both boots and bindings before binding assembly, installation, or adjustment.

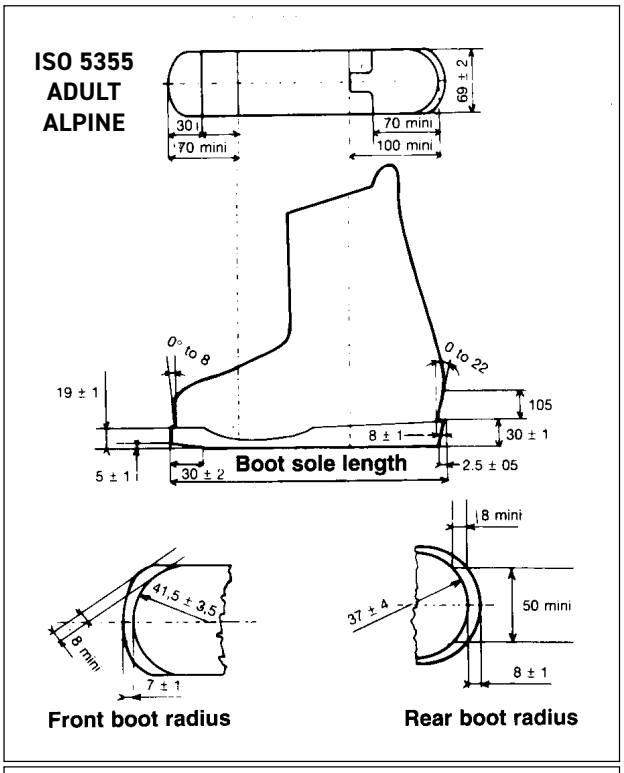
VISUAL INSPECTION: BOOTS

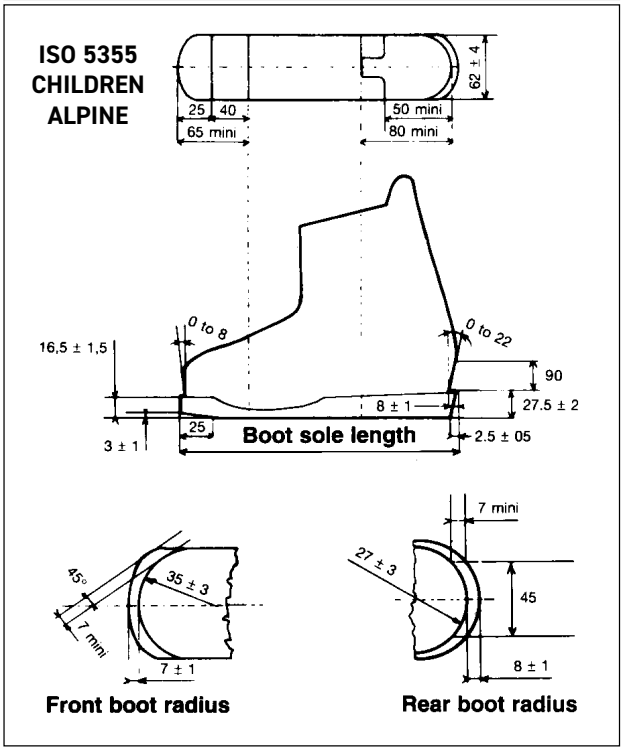
Your Alpine boot and binding system may not operate correctly with boots that do not comply with international standard ISO 5355 or are not WTR or GRIPWALK® certified. **Visually inspect BOTH BOOTS for the following:**

1. Conformity to ISO 5355 sole dimensions:
   a. Ramped area under toe
   b. Glide area (where binding AFD contacts boot) is flat and clean
   c. Boot can operate the binding brake
   d. Inspect boot/binding interfaces for correct shape (excessive wear, damage, distortion, warping, or mold flashing). When in doubt, compare the questionable boot sole to a boot sole with the correct shape; sight down the questionable boot sole to detect warping.
   e. The boot's toe and heel height projections are correct (see drawings to the right)
2. Conformity to WTR Certified boot soles:
   a. Boot Sole stamped with "WTR"
   b. Indicators a. through d. from above (conformity to ISO 5355 *sole dimensions)*
3. Conformity to GRIPWALK® boot soles (ISO 23223 proposed):
   a. Boot sole and/or boot upper with GRIPWALK® or GW
   b. Indicators a. through d. from above (conformity to ISO 5355 sole dimensions*)*
4. For all boots, inspect for hard shell material. **Boots with a milky look that can be permanently indented with a fingernail are unacceptable. These are commonly referred to as low-grade thermoplast boots and will not comply with a "Clean vs. Lubricated Test" (see page 45).**
5. ***Do not use Alpine Touring ski boots ISO 9523, or boots without a standard designation, in alpine bindings.***

If the boots in question do not meet any of these inspections, they should be replaced. If the boot is questionable in any of the preceding six inspections, you should perform a "Clean vs. Lubricated Test" (see page 45).

Boots marked with GRIPWALK® are compatible with bindings marked GRIPWALK® (GW or AW).



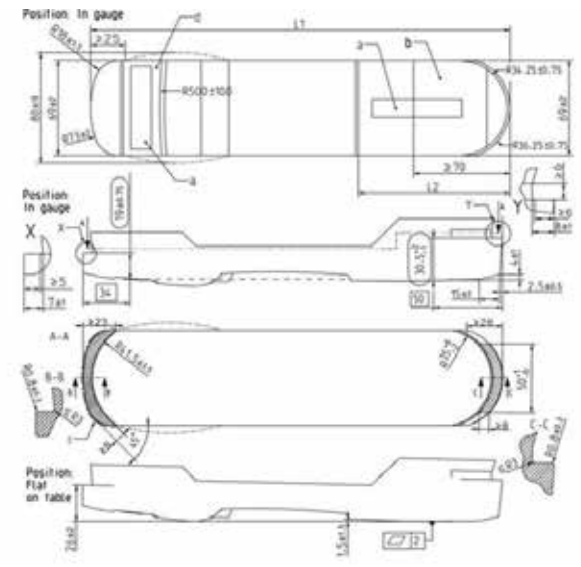


WARNINGS

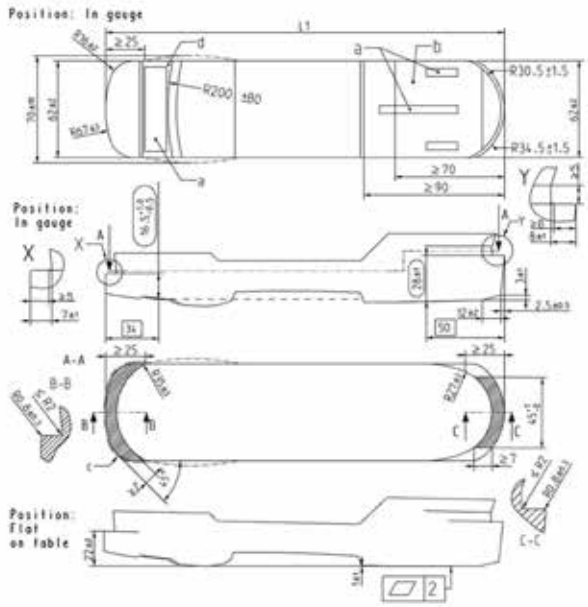
Note on Canting: *Under no circumstances should the surface of the binding AFD be modified. This includes any method of canting. Use a canting method that does not include modifying or affecting the performance of the ski boot/binding interface.*

Note on Boot Modification: *Virtually all traditional alpine ski boots sold today are certified by their manufacturer to conform to ISO 5355, which prescribes dimensions, materials, and other specifications necessary for boot/binding compatibility. Look for a reference to ISO on the sole. When a technician modifies a boot by beveling or shimming, it is the technician's and shop's responsibility to ensure the modified boot still complies with the standard. Boot and binding manufacturers are not responsible for any modifications. Use of a non-standard boot can have adverse effects on the safety and performance of the ski/binding/boot system.*

GRIPWALK® ADULT



GRIPWALK® CHILDREN



BOOT SOLE NORMS

IMPORTANT NOTE ON DIFFERENT BOOT SOLE TYPES
The Rossignol Group distributes ski boots with four different types of boot soles. Not all conform to ISO 5355 and as such are NOT compatible with standard alpine bindings:

- Boots featuring GRIPWALK® soles are compatible with "Dual" bindings in Alpine mode (Look and Rossignol bindings with the "Dual" designation) and AW or GW bindings
- R2016 Race boots DO NOT conform to ISO 5355 and should NOT be used for alpine skiing until the sole is modified to comply with this standard (except ZA+, ZJ+, Z Soft+ flex)
- Boots featuring WTR (Walk-to-Ride) rockered soles are ONLY compatible with WTR bindings (Look and Rossignol bindings with the "Dual" designation)
  - Furthermore, WTR rockered soles with tech fittings are compatible with above WTR bindings and PIN bindings (Look HM, Dynafit (but not **Beast** model))

VISUAL INSPECTION: BINDINGS

It is essential that before mounting a ski binding, technicians do a thorough visual inspection; particularly when mounting bindings that have been previously used.

Visually inspect BOTH BINDINGS and check for the following:
1. Indicator value range is correct for the skier.
2. Bindings are compatible with the skier's boot (example: adult binding with adult sole, GW sole, WTR sole with WTR/Dual binding, HM binding with a PIN binding compatible sole (see page 30).
3. Binding screw lengths are compatible with ski's thickness and comply with the marked requirement on the ski.
4. Binding brakes work correctly.
5. Binding toe-piece wings move freely.
6. Ensure bindings are clean – wipe with dry or slightly damp rag.
7. Anti-friction devices (AFD's) are undamaged. Replace if necessary.
8. Move mechanical AFD's glider off center and allow to return, inspecting for contamination and lubrication.
9. Inspect the heel pieces and lubricate the heel track with binding grease available from the Rossignol Group.
10. Lubricate binding interfaces with a silicone binding lubricant after mechanical testing is complete.

			BINDINGS		
			LOOK DUAL WTR	LOOK AW & GW	LOOK ALPINE
BOOTS	ISO 5355	ISO 5355 *(all brands)*	IN "ALPINE" POSITION ✓	✓	✓
	ISO 9523	GRIPWALK®	IN "ALPINE" POSITION ✓	✓	⊘
		WTR	IN "WTR" POSITION ✓	⊘	⊘
		ISO 9523 *(all others)*	⊘	⊘	⊘

LOOK BINDING COMPATIBILITY	ISO 5355		ISO 9523			
BINDING	**Child's Alpine Type C Norm**	**Adult Alpine Type A Norm**	**Childs GRIPWALK® Junior**	**Adult GRIPWALK® Adult**	**WTR/Walk Sole**	**Hiking Norm**
PX 18 ROCKERFLEX / ROCKERACE		X				
SPX 15/12 ROCKERFLEX / ROCKERACE		X				
SPX 14 ROCKERACE		X				
PIVOT 18 (with afd adapter)				X	*(with afd adapter)*	
PIVOT 18 AW & GW		X		X		
PIVOT 15 GW		X		X		
PIVOT 14/12 DUAL		X		X	X	
PIVOT 14/12 AW & GW		X		X		
SPX 10		X				
SPX 10 GW		X		X		
SPX 12 DUAL		X		X	X	
SPX 12 AW & GW		X		X		
SPX 12 KONECT DUAL / RENT SYS		X		X	X	
SPX 12 KONECT AW & GW / RENT SYS		X		X		
NX 12 DUAL		X		X	X	
NX 12 AW & GW		X		X		
NX 12 KONECT DUAL / RENT SYS		X		X	X	
NX 12 KONECT AW & GW / RENT SYS		X		X		
NX 11/10 - NX9 RTL		X				
NX 11 GW/10 GW - NX9 GW RTL		X		X		
NX 7 - NX 7 RTL	**(with afd adapter)**	X				
NX 7 GW - NX 7 GW RTL	**(with afd adapter)**	X	**(with afd adapter)**	X		
XPRESS 11/10 - XPRESS W 11/10 - XPRESS JR		X				
XPRESS 11 GW /10 GW - XPRESS W 11 GW / W 10 GW - XPRESS JR		X		X		
XPRESS 10/7 GW RTL		X		X		
KID X 4	X	X				
TEAM 4 GW / KID 4 GW RTL	X	X	X	X		

> TOOLS

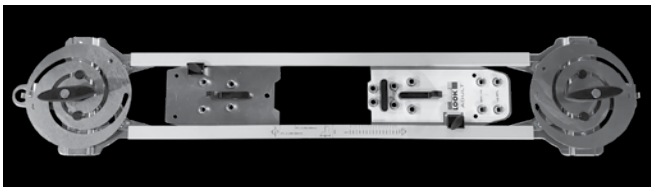
You may need the following tools when mounting ski bindings:

- Binding templates (see below for complete list)
- Drill bits (+.05 mm depth is acceptable)
  - 4.1 mm x 9.5 mm
  - 4.1 mm x 7.5 mm
  - 3.5 mm x 9.5 mm
  - 3.5 mm x 7.5 mm
- #12 AB tapping tool
- #3 POZIDRIVE screwdriver
- #3 flat head screwdriver
- #2 flat head screwdriver (for HM)
- Torx T25 driver (for plate install/removal)
- Torx T20 driver (for HM)
- Torque limiting screwdriver
- Ski binding glue
- Metric tape measure
- 2020/21 LOOK/Rossignol binding adjustment chart (page 49)

> TEMPLATES

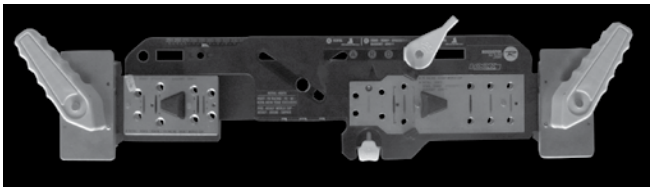
ADULT MOUNTING TEMPLATE

Item # FCFF001
Opens: 56mm - 143mm
Boot sole length: 250mm - 390mm (mondo 21.5-35)
Mounts: **Look** - SPX, Pivot, PX, NX, Nova, NX RTL
Rossignol - Axial^3, FKS, Axial^2, Axium



ADULT MOUNTING TEMPLATE

Item # FC0F001
Opens: 60mm - 130mm with rubber feet on
Boot sole length: 250mm - 385mm (mondo 21.5-35)
Mounts: **Look** - SPX Racing, SPX, Pivot, PX Racing, PX, NX, Nova, Demo, Demo^2, Quickset, Rental
Rossignol - Axial^3 WC, Axial^3, FKS, Axial^2 WC, Axial^2, Axium, Saphir, Speedset, Rental

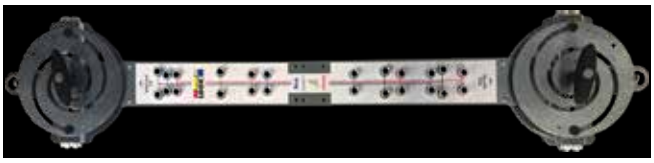


JUNIOR MOUNTING TEMPLATE

Item # FC6F018 (pictured), FCFF002 (metal, not pictured)
Opens: 60mm - 130mm with rubber feet on
Boot sole length: 190mm - 320mm (mondo 15.5-27.5)
Mounts: **Look** - Xpress Jr 7, Team 4 RL, Team 2RL, Team 4 Quickset, Team 4 RTL
Rossignol - Comp J 45, Saphir J 45, Comp Kid 25, Comp J 45 Speedset (EPR)

RTL SYS MOUNTING TEMPLATE

Item # FCGF101
Opens: 55mm - 150mm with rubber feet on
Boot sole length: 190mm - 377mm (mondo 15.5-31.5)
Mounts: **Look/Rossignol** - Konect, Xpress, Kid X



SUPERLITE MOUNTING TEMPLATE

Item # FCHF114
Opens: 56mm - 143mm with rubber feet on
Boot sole length: 265mm - 360mm
Mounts: Look Superlite

HM MOUNTING TEMPLATE

Item # FCEF110
Opens: 56mm - 143mm with rubber feet on
Boot sole length: 265mm - 360mm
Mounts: Look - HM (all versions)

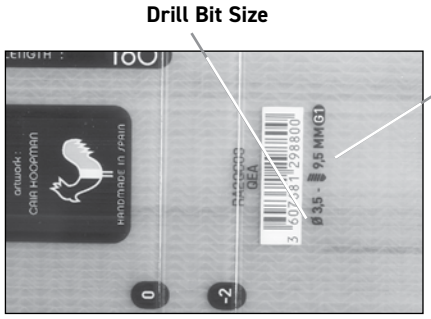
> STANDARD BINDING INSTALLATION

MOUNTING FLAT SKIS

Most skis are manufactured in accordance with ISO 8364, which ensures a reinforced binding mounting area. Follow the ski manufacturer guidelines with regard to drill bit selection and when to use a tap.

All non-system Rossignol and Dynastar skis are marked in the center, near the mounting marks, with correct drill bit size and whether tapping (T) is necessary (photo 1).

photo 1



Protect the base of the ski during ski binding installation.

Always measure the mounting mark positions on each ski to confirm they are both in the correct position (see pages 12 and 13 for reference of Dynastar and Rossignol skis).

USING MOUNTING TEMPLATES

To use mounting templates on traditionally flat mounted skis:

1. Hold the template so the two grips are facing away from you (photos 2a/2b).
2. Rotate the two grips to open the clamps of the template.
3. Place the template flush to the ski and tighten the grips.
   a. To accommodate narrower/wider width skis:
      i. Remove rubber template feet, then re-install ALL FOUR to face the opposite direction (photo 3)
   b. **<u>Extra precaution</u>: double check that template is square on ski, templates can shift to one side if feet are not correctly installed**
4. Place the boot in the center of template, between the boot stops.
   a. To adjust the template to the correct length, release lever (A).
      i. Pull to adjust template longer. Push to adjust shorter.
   b. When boot is positioned against both boot stops, lock lever (A).
5. Align template on ski using the boot's midsole mark and the ski center mark.
   a. If the boot's midsole mark does not line up with template's BOOT MIDSOLE mark (B), use the boot's midsole mark as reference.
   b. If there is no boot midsole mark, use the template's BOOT MIDSOLE mark (B).
6. When mounting a ski with a toe mount reference, align template point (C) with the ski toe mount reference mark.
7. With boot still positioned against both boot stops, remove boot. **<u>Extra precaution:</u> use a QuickGrip to secure template square on ski. This will prevent template from moving when drilling**

Adult Template - ITEM # FC0F001

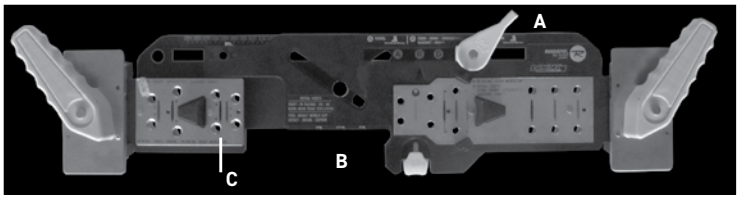


photo 2a

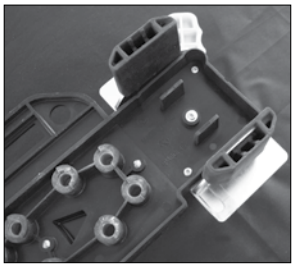


photo 3

Adult Template - ITEM # FCFF001

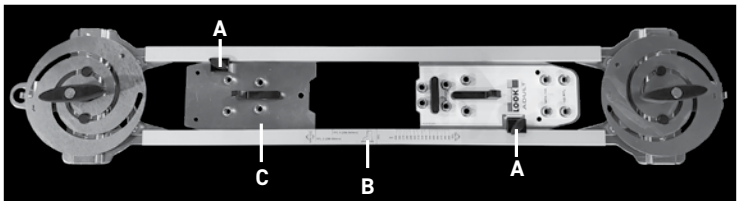


photo 2b

<u>Note on Junior Boots/Template Adjustment:</u>
For junior boots shorter than the smallest template setting:

1. *Close the template to its shortest position and lock lever (A).*
2. *Slide boot forward in template, boot toe against front boot stop.*
3. *Align boot center mark with ski center mark.*
4. *Remove boot and drill TOE HOLES ONLY.*
5. *Place boot back in template.*
6. *Slide boot back, boot heel against rear boot stop.*
7. *Align boot center mark with ski center mark.*
8. *Remove boot and drill HEEL HOLES ONLY*

BEFORE DRILLING: DOUBLE CHECK

With template adjusted and seated on ski correctly (see Using Mounting Template, page 10):

1. Check binding screw pattern against template holes. The binding model will determine which template holes to use (see charts below)
   a. **Extra precaution: use masking tape to cover any template holes that won't be used.**
2. Check screw length against ski thickness. Replace or grind screws if necessary. This may be more necessary on junior and children's skis.
   a. **Extra precaution: insert selected ski drill bit into each hole you plan to drill and lightly tap with hammer. Inspect/ measure indentations to ensure template is aligned correctly.**

ADULT TEMPLATE - FCFF001	toe color	heel color
Pivot / FKS	silver	blue
SPX / Axial^3, NX / Axium	silver	red
NX RTL / Axium RTL	silver	black

ADULT TEMPLATE - FC0F001	toe color	heel color
Pivot / FKS	black	blue
Short track with worm screw	black	purple
Long track with tab	black	green
NX, Nova, Axium, Saphir	black	green
Demo / Speedset	red	green
Quickset / Rental	black	orange
Flash IRS - *Important note: template needs to be set at 300mm*	red	orange

JUNIOR TEMPLATE	toe color	heel color
Team 4 RL, Team 2 RL Comp J 45 L, Saphir 45 L, Comp Kid 25 L	red	orange
Demo / Quickset / Speedset	black	orange
RTL / Rental	red	orange

Important note on NX Jr 7 / Nova Team 7 / Axium 70 bindings:
NX Jr 7/ Nova Team 7/Axium 70 bindings come compatible with adult boot soles. For use with children's boot soles these bindings must be modified using the Children Adapter Kit # FC6F002 (see pg. 61).

DRILLING & TAPPING

1. Select the drill bit size recommended by the ski manufacturer. This is usually indicated on the ski and should include drill bit size and whether to tap (T).
   a. General Rule: For any ski with metal laminate use 4.1 mm diameter bit. Otherwise use 3.5 mm. If unsure, first use 3.5 mm, check for metal shavings. If metal is present, re-drill same holes with 4.1 mm.
2. Before drilling, using a transfer punch (or a drill bit) punch the topsheet with the correct hole pattern of the binding model that is being used. At this time, remove the template to double check that the template is square (measure punch marks from sidewall, should be equal to both sides) and, if drilling a ski with previous holes, double check that there is at minimum 5mm of distance from any previous holes

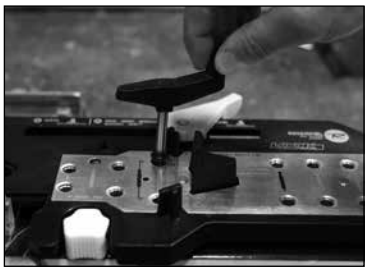


Photo 4

3. Drill the appropriate holes for the toepiece and heelpiece.
   a. **Extra Precaution: drill with straight down pressure, directly over the ski. Do no drill at an angle, or at a ski that is not directly under you (example, further away on a bench)**
4. Turn ski over and tap with hand on ski base to remove debris.
5. If recommended by ski manufacturer, use # 12 AB tapping tool to tap holes (photo 4).
6. Turn ski over and tap on ski base with hand to remove debris.

INSTALLING BINDINGS NON SYSTEM (FLAT SKIS)

TO PREVENT STRIPPED SCREWS

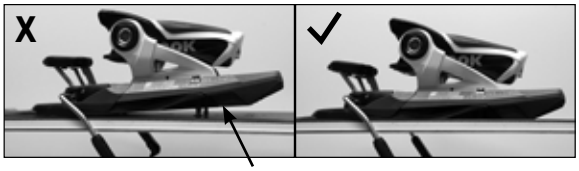
1. BEFORE INSTALLATION back out binding screws until the tip of the screw is at least flush with the base of the binding, allowing the binding to sit completely flat on topsheet of ski.

INSTALLATION

2. Put a small amount of SKI BINDING GLUE into each hole. (This lubricates the screws, prevents them working loose, and provides a watertight seal). DO NOT USE WOOD GLUE.
3. Position toepiece over drilled toe holes.
4. Using a # 3 POZIDRIVE screwdriver, insert binding screws in a cross-pattern until firmly seated on ski.
   a. Using a screwshooter, set torque correctly (5 Nm max). If torque is not set correctly, pull trigger intermittently until binding is seated.
5. Position heelpiece over drilled heel holes. Return to step # 4 above.

Visually inspect that the binding is seated flush to the top of the ski on ALL SIDES. There should be no gaps between the binding base and ski (see photo 5).

photo 5 = example of correct mounting



Make sure there is no gap between base of binding and ski.

> MOUNTING MARKS

DYNASTAR 20/21 FLAT SKI MID-BOOT MOUNTING MARK MEASUREMENTS

Mounting Adjustments For Specific Use	
Powder / Freeride	*up to -2 cm*
All-Mountain	*0 cm*
Jib/Park	*up to +5 cm*

Unisex Model	*Size*	*"0" Mid Mark*
M-PRO 84	163	75.7
	170	78.8
	177	81.6
	184	84.8
M-PRO 90	162	69.3
	170	73.1
	178	76.9
	186	80.7
M-PRO 99	162	69.3
	170	73.1
	178	76.9
	186	80.7
M-FREE 108	172	78.3
	182	83.5
	192	87
MENACE 90	140	65
	150	69.7
	160	74.4
	170	79
	180	83.7
MENACE 98	169	76.1
	175	79.1
	181	81.6
	187	84.6

*Women's Model**	*Size*	*"0" Mid Mark*
M-PRO 84 W	149	69.8
	156	73.5
	163	76.7
	170	79.8
M-PRO 90 W	154	65.5
	162	69.3
	170	73.1
M-PRO 99 W	154	65.5
	162	69.3
	170	73.1

**Mounting measurement is to the "0" mid sole mounting line. Recommended women's mounting is +1 cm which is the forward graphic line.*

Touring Model	*Size*	*"0" Mid Mark*
M-TOUR 99	162	69.3
	170	73.1
	178	76.9
	186	80.7
M-VERTICAL	156	66.6
	164	70.5
	172	74.2
	180	78.2

ROSSIGNOL 20/21 FLAT SKI MID BOOT MOUNTING MARK MEASUREMENTS

Unisex Model	Size	"0" Mid Mark
SQUAD	194	90.5cm
SENDER TI	194	89cm
	187	85.8cm
	180	82.5cm
SENDER	186	86cm
	178	82.5cm
	172	79cm
	164	75.5cm
ESCAPER	186	85.7cm
	178	82.3cm
	172	78.9cm
	164	75.4cm
	156	71.9cm
ALPINEER	182	79.2cm
	176	76.3cm
	168	72.4cm
	162	68.9cm
	154	65.5cm
GAMER	186	90.3cm
	176	85.6cm
HOLYSHRED	192	89.9cm
	182	85cm
	172	80.4cm
	162	75.6cm
SMASHER	180	83.7cm
	170	79cm
	160	74.4cm
	150	69.7cm
	140	65cm
WHIZ BANGER	158	73.5cm
	148	68.8cm
	138	63.7cm
EXPERIENCE 94	187	84.4cm
	180	81.2cm
	173	78.0cm
EXPERIENCE 88	187	84.0cm
	180	80.7cm
	173	77.5cm
	166	74.2cm
	159	71.0cm
EXPERIENCE 84	184	83.5cm
	176	79.8cm
	168	76.0cm
	160	72.3cm
	152	68.6cm

Junior Model	Size	"0" Mid Mark
BLACKOPS PRO	158	73.5cm
	148	68.8cm
	138	63.7cm
HERO ATHLETE MULTI-EVENT	148	TBD
	141	TBD
	134	TBD
	127	TBD
	150	62.6cm
HERO JR MULTI-EVENT	140	58.5cm
	130	54.4cm
	120	49.3cm
	110	45.0cm

Women's Model*	Size	"0" Mid Mark
RALLYBIRD TI	178	82.5cm
	171	79cm
	163	75.5cm
RALLYBIRD	170	79cm
	162	75.5cm
	154	720cm
STARGAZER	170	78.9cm
	162	75.4cm
	154	71.9cm
TRAILBLAZER	168	72.4cm
	162	68.9cm
	154	65.5cm
BLAZER	170	80.4cm
	160	75.6cm
DREAMER	160	74.4
	150	69.7
	140	65
	130	60.3
EXPERIENCE 88 W	173	77.5cm
	166	74.2cm
	159	71.0cm
	151	67.7cm
EXPERIENCE 84 W	168	76.0cm
	160	72.3cm
	152	68.6cm
	144	64.8cm
	160	72.3cm
	152	68.6cm
	144	64.8cm

**Mounting measurement is to the "0" mid sole mounting line.*
Recommended women's mounting is +1 cm which is the forward graphic line.

MOUNTING ADJUSTMENTS FOR SPECIFIC USE

Powder / Freeride	-2 cm	*Jib/Park*	up to +5 cm
All-mountain	0 cm	*Demo*	0 cm

BRAKE COMPATIBILITY

Note: World Cup/Racing brakes are not the same as SPX/PX/Nova / Axial³/Axial²/Axium brakes.

Checking for compatible brake length:

1. Place the ski on a table and confirm the brake fully extends, works freely, and easily lifts the ski off the table.
2. Brake arms must extend at least 30mm below the base of the ski.
3. When using lifters or race plates use brakes that give greater than 7mm of lift.

Checking for compatible brake width:

- Several brake widths are available.

See page 60 for brake options.

The following 20/21 skis require B120 (120mm) extra wide brakes:

BlackOps Gamer	M-Pro Pro Rider
BlackOps Sender Ti	M-Free 118
BlackOps Sender	M-Free 108
BlackOps W Rallybird Ti	
BlackOps W Rallybird	

The following 20/21 skis require B100 (100mm) wide brakes:

BlackOps Escaper	M-Pro 99
BlackOps Holyshred	M-Pro 99 W
BlackOps W Stargazer	Menace 98
BlackOps W Blazer	M-Tour 99
Experience 94 HD	

The following 20/21 skis require B90 (90mm) wide brakes:

BlackOps Smasher	M-Pro 90
BlackOps Whiz Banger	M-Pro 90 W
BlackOps W Trailblazer	M-Pro 84
BlackOps W Dreamer	M-Pro 84 W
Experience 88 HD	Menace 90
Experience 84 HD	Menace 80
Experience 88 W	M-Vertical 89
Experience 84 W	

> BOOT-BINDING ADJUSTMENT

TOE HEIGHT ADJUSTMENT

On all the Look toe pieces (with exception of LOOK HM), the toe height and width automatically adjusts to the height and width of the soles of the adult boots that comply with the standard ISO 5355.
The Kid-X / Team 4 toe pieces are compatible with the children standard ISO 5355 and the adult standard ISO 5355.

The Kid-4 GW / Team 4 GW are compatible with children standard ISO 5355, adult standard ISO 5355, and adult and junior GRIPWALK®.

The Dual toe pieces are compatible with 3 types of soles: ISO 5355 Adult, GRIPWALK®, and WTR certified. An adjustment to the binding is required to select any of these boot sole types.

GW/AW toe pieces are compatible with 2 types of soles: ISO 5355 Adult and GRIPWALK®.

DUAL BOOT TOE NORM ADJUSTMENT

Look Dual and Rossignol Dual bindings feature the ability to adjust between ISO 5355 (Alpine), GRIPWALK®, and WTR (WALK-TO-RIDE) certified. To adjust Dual binding toe pieces between these norms use the following steps. The heel piece requires no adjustment.

1. Determine bootsole type (ISO 5355, GRIPWALK®, or WTR) (photo 6).

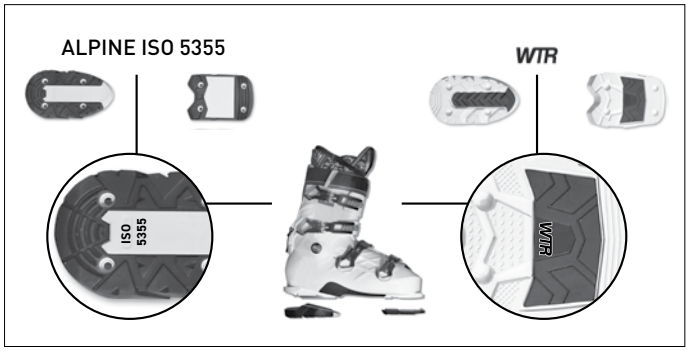
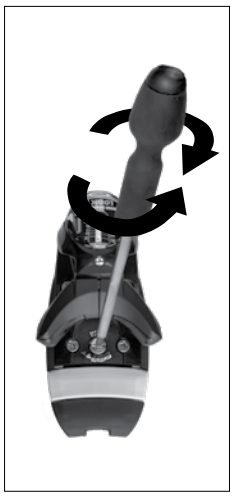
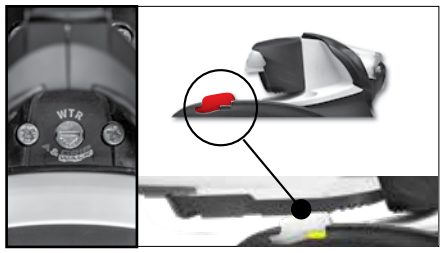


photo 6

2. Adjust selector switch according to boot sole type
   a. Use a flat head screw driver to make the half turn adjustment to either norm with the arrow indicator pointing towards the identified norm inscribed in front of the AFD (photo 7).
   b. When the binding is in alpine norm/GRIPWALK®, there is a yellow indicator under the AFD (side view) that will show (photo 8).
   c. When the binding is in WTR norm, no yellow indicator will show (photo 9).

photo 8





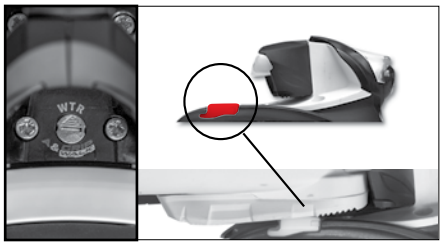


photo 7

photo 9

3. Once the norm is selected Look and Rossignol DUAL bindings require no further toe height adjustment. (photo 10).

ALPINE / GRIPWALK®

WTR

photo 10

PIVOT/FKS FORWARD PRESSURE ADJUSTMENT

Note: Forward pressure may take some fine tuning on Pivot/FKS bindings.

1. Forward pressure is adjusted using the two screw-heads atop the lateral arms of the heelpiece (photo 11). **Use small increments to adjust each side evenly.**

photo 11

2. Insert boot into the binding with authority.
3. Confirm forward pressure is correct by checking that white (or yellow) tab aligns with, or is just past, the two raised scribes on the heel base (photo 12).
   a. Grab heelpiece and twist/rotate the heel.
      i. If heelpiece twists/rotates easily, tighten forward pressure (photo 13).

photo 12

photo 13

      ii. Forward pressure is correct when you cannot twist/rotate the heel on the boot easily and there is strong elastic snap. DO NOT over tighten forward pressure.
4. Confirm elastic travel at toe and heel. If forward pressure is too tight, elastic travel will be negatively affected.

ADULT FORWARD PRESSURE ADJUSTMENT

Flat Tab: Look SPX, PX, NX, Nova / Rossignol Axial^3, Axial^2, Axium, Saphir
Worm-Screw: Look SPX Racing, PX Racing / Rossignol Axial^3 WC, Axial^2 WC

1. Press heel piece down, opening binding completely.
2. Position boot toe in binding toepiece without engaging heel.
3. To adjust the heelpiece in the track:
   Flat Tab:
   a. Lift metal tab w/ flathead screwdriver to release.
   b. Twist flathead. Heelpiece will slide freely in track. (photos 14 & 15)
   Worm-Screw:
   a. Turn worm-screw with # 3 Pozidrive screwdriver.

photo 14

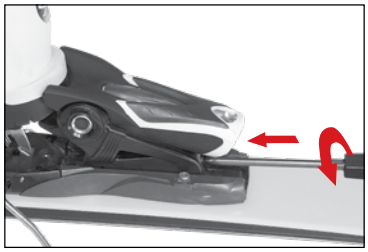


photo 15

4. Move heelpiece until it almost contacts the boot heel.
5. On Flat Tab adjustment, release metal tab. (Not necessary with worm-screw.)
6. Tap heel forward, confirming heelpiece locks into place.
7. Insert boot into the binding with authority.
8. **Confirm forward pressure is correct by checking indicator:**
   a. **SPX, PX / Axial^3, Axial^2:** yellow indicator covers half of window (photo 16)
   b. **NX, Nova / Axium, Saphir:** black scribe in middle of window (photo 17)

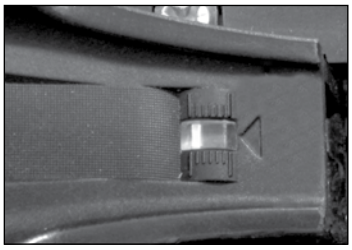


photo 16

photo 17

   c. **SPX Racing/PX Racing / Axial^3 WC/Axial^2 WC:** scribe mark flush with black plastic housing (photos 18 & 19)

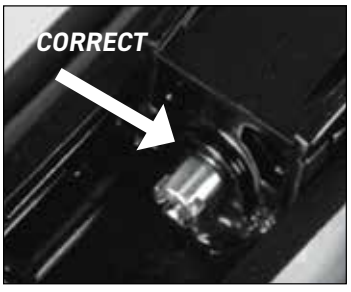


photo 18

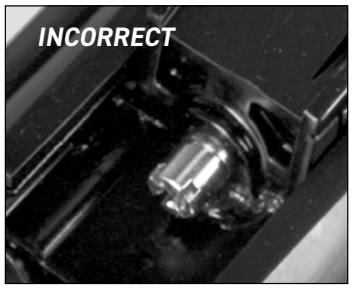


photo 19

9. Remove boot from binding, reinsert and check forward pressure again. Readjust if necessary.

***Note: The shape of some boots soles may not allow the heel to be positioned so the indicator is in the middle of the window. In this instance, it is acceptable for the indicator to be in the lower (or right) side of scale.**

KID FORWARD PRESSURE ADJUSTMENT

Look Kid 4 GW, Kid-X*, Team 4*, Team 4 GW**, Team 2RL*****
Rossignol Comp J*, Saphir J*, Comp Kid*, Princess*****

1. Press heel piece down, opening binding completely.
2. Position boot toe in binding toepiece without engaging heel.
3. Lift metal tab at rear of heelpiece with finger to adjust.
4. Move heelpiece until it almost contacts the boot heel.
5. Release tab and tap heel forward, confirming it locks into place.
6. Insert boot into the binding.
7. Confirm forward pressure is correct by checking that scribe line on side of metal tab (A) is within the marks on the side of heelpiece (B) (photo 20)

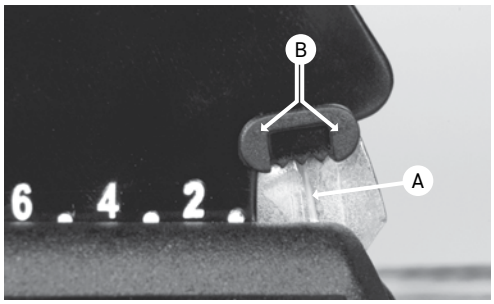


photo 20

Note:
***Kid-X / Comp J45/ Team 4 bindings will automatically accommodate both children and adult ISO 5355 boot soles.**
****Kid 4 GW / Team 4 GW bindings will automatically accommodate both children and adult ISO 5355, and GRIPWALK® boot soles.**
*****T2 / Team 2 RL / CompKid 25 / Princess 25 accommodate children boot soles ONLY.**

TOOL-FREE
INTEGRATED BINDING SYSTEMS ADJUSTMENT

LOOK KONECT

(see adjustment chart on page 20)

1. Slide Heel piece onto the integrated track:
   a. Holding up lever at the rear of the heel piece, place the heel piece onto the middle of the track and slide heel piece all the way back. (photo 21)

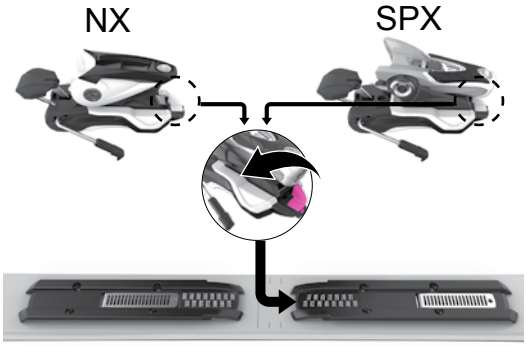


photo 21

2. Slide toe piece onto the integrated track:
   a. Holding up lever at the rear of the toe piece, place the toe piece onto the middle of the track and slide toe piece all the way forward. (photo 22)

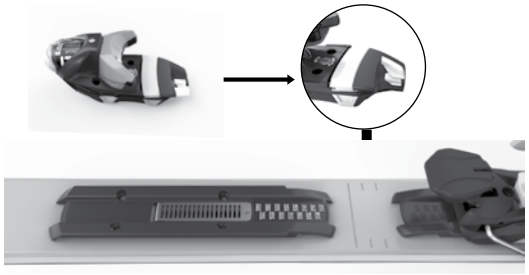
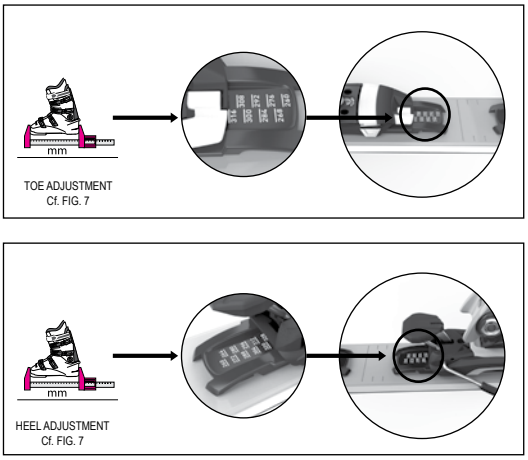


photo 22

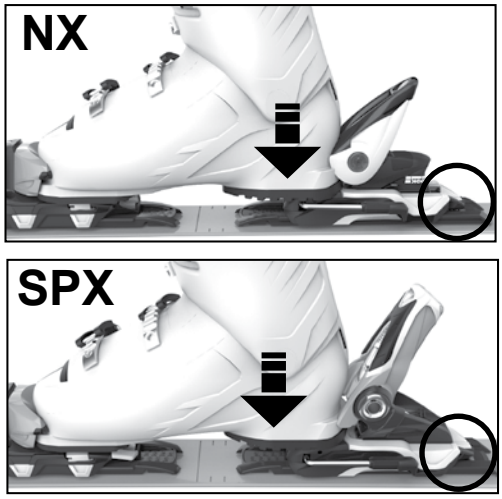
3. Set toe and heel piece to corresponding boot sole length position on track (photos 23 & 24)
   a. Refer to adjustment chart on page 20.
   b. Lock levers down in closed position
   c. Tap toe and heel piece to confirm they are locked in place



photos 23 & 24

4. For SPX & NX KONECT DUAL models only: set AFD to ALPINE / GRIPWALK® or WTR Norm (refer to page 15)
5. Insert boot into binding system with authority
6. Confirm forward pressure is correct by checking indicator in the back of the heel piece (photos 25 & 26)
   a. NX – Forward pressure should be just inside the housing
   b. SPX – Forward pressure should be not outside the housing.
7. Adjust toe and heel indicator settings using chart on page 49.

photo 25



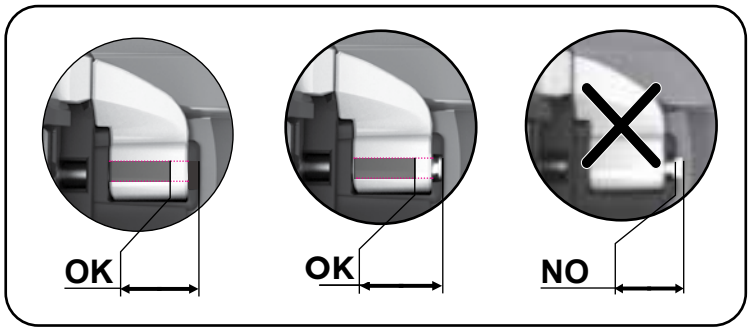


photo 26

LOOK FLUID X, EXCLUSIVE FLUID X, FLUID ROSSIGNOL TPX, TPI², W TPI²

(See Adjustment Chart page 21)

1. Slide heelpiece onto the integrated track:
   a. Holding up thumb lever, place heelpiece onto middle of track and slide heelpiece all the way back. (photo 27)

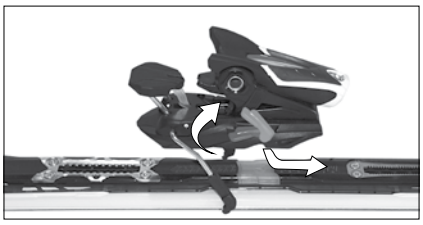


photo 27

2. Slide toe onto the integrated track:

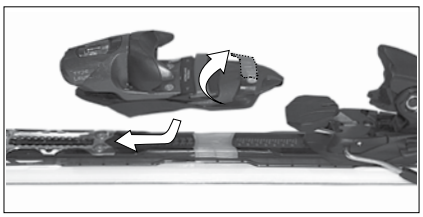


photo 28

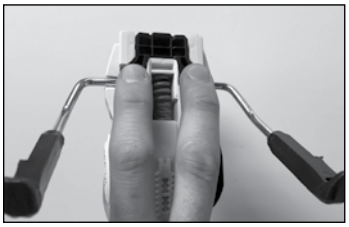
   a. Holding up thumb lever, place toepiece onto the middle of track and slide forward. (photo 28)
   b. Holding up thumb lever, align the rear of the toepiece with the correct sole length mark on the track.
   c. Lock thumb lever down in the closed position
   d. Tap toepiece forward, confirming it locks into place.
3. Position boot toe in toepiece without engaging heel.
4. Holding up thumb lever on the heelpiece, move heelpiece until it almost contacts the boot heel.
5. Release thumb lever and tap heelpiece forward, confirming it locks into place.
6. Insert boot into binding with authority.
7. **Confirm forward pressure is correct by checking indicator:**
   a. **SPX, PX / Axial³, Axial²:** yellow indicator covers half of window
   (page 16, photo 16)
   b. **NX, Nova / Axium, Saphir:** black scribe in middle of window (page 16, photo 17)
8. Adjust toe and heel indicator settings using chart on page 49.

LOOK XPRESS, XPRESS JUNIOR ROSSIGNOL XELIUM, XELIUM JUNIOR

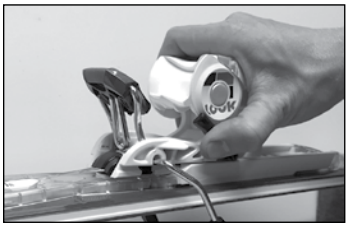
(See Adjustment Chart page 22)

1. Make sure plastic brake retaining clip is flush with heel housing (step 1)
2. Slide heelpiece onto integrated track:
   a. Holding up thumb lever on heelpiece, place heelpiece onto middle of track and slide heelpiece all the way back (step 2).
3. Slide toe onto the integrated track:
   a. Holding up thumb lever, place toepiece onto the middle of track and slide forward (step 3).
   b. Holding up thumb lever, align the rear of the toepiece with the correct sole length mark on the track.
   c. Lock thumb lever down in the closed position.
   d. Tap toepiece forward, confirming it locks into place.
4. Adjust heelpiece by aligning the brake retaining clip with the corresponding boot sole length on the track.
   a. Tap heel piece forward, confirming it locks into place.
5. Confirm forward pressure is correct by checking that the yellow indicator is in the front half of the window (step 4).
6. Adjust toe and heel indicator settings using chart on page 49 (step 5 & 6).

STEP 1

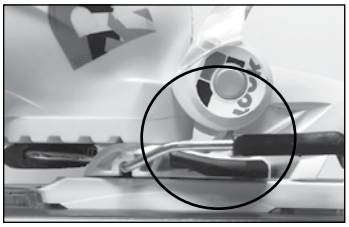


STEP 2

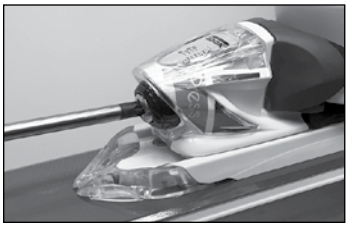


STEP 3

STEP 4



STEP 5



STEP 6

LOOK / ROSSIGNOL KID 4/KID-X PLATE MOUNTING

DRILLING

1. Place RTL SYS on ski. Align center mark of template with center mark on ski.
2. Drill Front (tip) plate holes, than rear (tail) plate holes.

TO PREVENT STRIPPED SCREWS

1. BEFORE INSTALLATION back out plate screws until the tip of each screw is at least flush with the base of the plate, allowing the plate to sit completely flat on the topsheet of the ski.

INSTALLATION

1. Put a small amount of ski binding glue into each hole. (This lubricates the screws, prevents them working loose, and provides a watertight seal). DO NOT USE WOOD GLUE.
2. Position front plate over drilled front holes.
3. Using a #3 POZIDRIVE, insert plate screws in a cross-pattern until firmly seated on ski. (step 1)
4. Using a screwshooter, set torque correctly (5 Nm max). If torque is not set correctly, pull trigger intermittently until binding is seated.
5. Position heel plate over drilled heel holes. Return to step #4 above.
6. Visually inspect that the plate is seated flush to the top of the ski on ALL SIDES. There should be no gaps between the plate base and the topsheet.

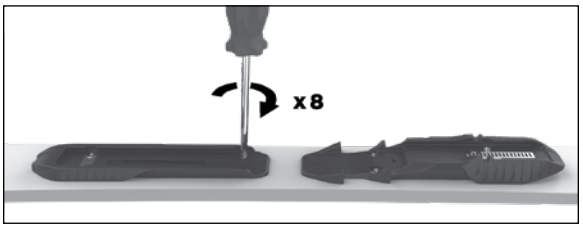
LOOK / ROSSIGNOL KID-X

(See Adjustment Chart page 23)

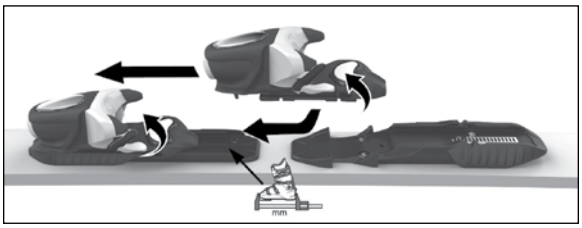
1. Slide toe onto the integrated track:
   a. Holding up thumb lever, place toepiece on front track and slide forward
   b. Holding up thumb lever, align the rear of the toepiece with the correct sole length mark on the track. (step 2)
   c. Lock thumb lever down in the closed position.
   d. Tap toepiece forward, confirming it locks into place.
2. Slide heelpiece onto integrated track:
   a. Holding up metal lever on heelpiece, place heelpiece on rear track and slide back (step 3).
3. Install brake by inserting into track and tightening brake screw with #3 POZIDRIVE screwdriver (step 4).
4. Position boot toe in toepiece without engaging heel.
5. Holding up thumb lever on the heelpiece, move heelpiece until it almost contacts the boot heel. (step 5)
6. Release thumb lever and tap heelpiece forward, confirming it locks into place.
7. Insert boot into binding with authority.
8. **Confirm forward pressure is correct by checking that scribe line on side of metal tab is within the marks on the side of heelpiece** (step 6).
9. Adjust toe and heel indicator settings using chart on page 49.

Note:
Kid 4 / Kid-X bindings: toe height automatically adapts to children and adult 5355 and GW soles.

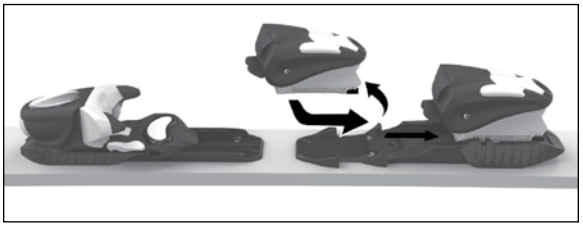
STEP 1



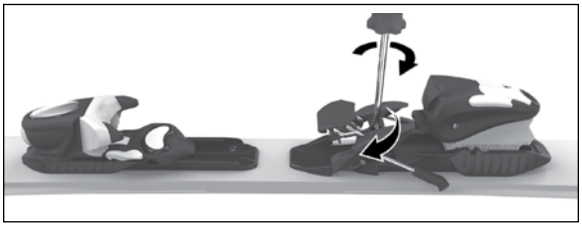
STEP 2



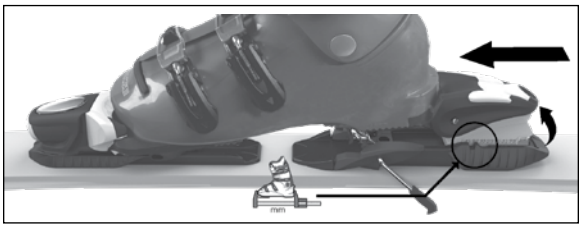
STEP 3



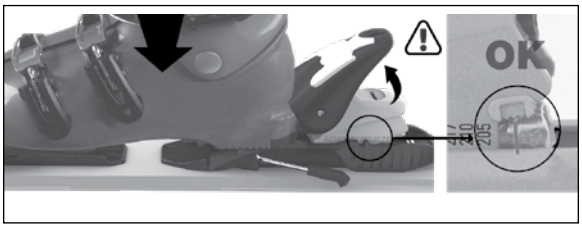
STEP 4



STEP 5

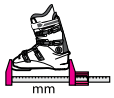


STEP 6



LOOK KONECT

To position the binding on the plate, select the minimum of the range including the value of the boot sole length.
Example: boot sole length = 310mm > select 308 for toe piece and 304 for the heel piece.

	TOE ADJUSTMENT 	HEEL ADJUSTMENT 
260 - 263	260	260
264 - 267		264
268 - 271	268	
272 - 275		272
276 - 279	276	
280 - 283		280
284 - 287	284	
288 - 291		288
292 - 295	292	
296 - 299		296
300 - 303	300	
304 - 307		304
308 - 311	308	
312 - 315		312
316 - 319	316	
320 - 323		320
324 - 327	324	
328 - 331		328
332 - 335	332	
336 - 339		336
340 - 343	340	
344 - 347		344
348 - 351	348	
352 - 355		352
356 - 359	356	
360 - 363		360
364 - 367	364	
368 - 371		368
372 - 375	372	

LOOK FLUID X, EXCLUSIVE FLUID X, FLUID ROSSIGNOL TPX, TPI^2, W TPI^2

FLUID X / TPX

mm	TOE ADJUSTMENT	HEEL ADJUSTMENT	
265-266	265-272	A	
267-268		A	
269-272		A	
273-275	273-286	A	
276-278		A	
279-281		B	
282-284		B	
285-286		B	
287-288	287-300	B	
289-291		B	
292-294		B	
295-297		C	
298-300		C	
301-304	301-314	C	
305-307		C	
308-310		C	
311-314		D	
315-317	315-328	C	
318-320		D	
321-323		D	
324-326		D	
327-328		E	
329-330	329-342	D	
331-333		D	
334-336		E	
337-339		E	
340-342		E	
343-346	343-356	E	
347-349		E	
350-352		F	
353-356		F	
357-359	357-370	F	
360-362		F	
363-365		F	
366-368		G	
369-370		G	
371-372	371-377	F	
373-375		G	
376-377		G	

FLUID / TPI^2

mm	TOE ADJUSTMENT	HEEL ADJUSTMENT	
263-266	263-275	A	
267-269		A	
270-272		A	
273-275		B	
276-279	276-288	A	
280-282		B	
283-285		B	
286-288		B	
289-292	289-301	B	
293-295		B	
296-298		C	
299-301		C	
302-305	302-314	C	
306-308		C	
309-311		C	
312-314		D	
315-318	315-327	C	
319-321		D	
322-324		D	
325-327		D	
328-331	328-340	D	
332-334		D	
335-337		E	
338-340		E	
341-344	341-353	E	
345-347		E	
348-350		E	
351-353		F	
354-357	354-366	E	
358-360		F	
361-363		F	
364-366		F	
367-370	367-382	F	
371-373		F	
374-376		G	
377-379		G	
378-382		G	

EXCLUSIVE FLUID / SAPHIR TPI^2

mm	TOE ADJUSTMENT	HEEL ADJUSTMENT	
263-266	263-275	A	
267-269		A	
270-272		A	
273-275		B	
276-279	276-288	A	
280-282		B	
283-285		B	
286-288		B	
289-292	289-301	B	
293-295		B	
296-298		C	
299-301		C	
302-305	302-314	C	
306-308		C	
309-311		C	
312-314		D	
315-318	315-327	C	
319-321		D	
322-324		D	
325-327		D	
328-331	328-340	D	
332-334		D	
335-337		E	
338-340		E	
341-344	341-347	E	
345-347		E	

LOOK XPRESS, XPRESS TEAM, XPRESS KID
ROSSIGNOL XELIUM, XELIUM JUNIOR, XELIUM KID

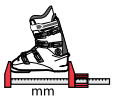
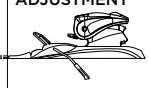
XPRESS / XELIUM
Adult

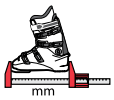
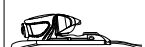
 mm	TOE ADJUSTMENT 	HEEL ADJUSTMENT 
261 - 266	261	261
267 - 272	267	267
273 - 278	273	273
279 - 284	279	279
285 - 290	285	285
291- 296	291	291
297 - 302	297	297
303 - 308	303	303
309 - 314	309	309
315 - 320	315	315
321 - 326	321	321
327 - 332	327	327
333 - 338	333	333
339 - 344	339	339
345 - 350	345	345
351 - 356	351	351
357 - 362	357	357
363 - 368	363	363
369 - 374	369	369
375 - 380	375	375
381 - 386	381	381

XPRESS TEAM / XELIUM JUNIOR
Junior - DIN 2-7

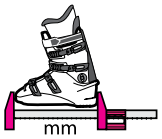
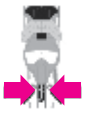
261 - 266	261	261
267 - 272	267	267
273 - 278	273	273
279 - 284	279	279
285 - 290	285	285
291- 296	291	291
297 - 302	297	297
303 - 308	303	303
309 - 314	309	309
315 - 320	315	315
321 - 326	321	321
327 - 332	327	327

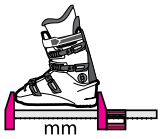
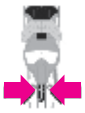
XPRESS KID / XELIUM KID
Team 4 / Team 2 heel / Comp J/Comp Kid - DIN .75-4.5

 mm	TOE ADJUSTMENT 	HEEL ADJUSTMENT 
210	210	1
211		1
212		2
213		2
214		3
215		3
216		3
217		4
218		4
219		4
220	220	3
221		3
222		4
223		4
224		4
225		5
226		5
227		5
228		6
229		6
230	230	4
231		4
232		5
233		5
234		5
235		6
236		6
237		6
238		7
239		7
240	240	5
241		5
242		6
243		6
244		6
245		7
246		7
247		7
248		8
249		8

 mm	TOE ADJUSTMENT 	HEEL ADJUSTMENT 
250	250	8
251		8
252		8
253		8
254		9
255		9
256		9
257		10
258		10
259		10
260	260	9
261		9
262		9
263		10
264		10
265		10
266		11
267		11
268		11
269		11
270	270	11
271		11
272		11
273		11
274		12
275		12
276		12
277		13
278		13
279		13
280	280	12
281		12
282		12
283		13
284		13
285		13
286		13
287	290	13
288		13
289		13
290		13

LOOK / ROSSIGNOL KID-X

 mm	TOE ADJUSTMENT 	HEEL ADJUSTMENT 
205	**205**	**205**
206		
207		
208		
209		
210		**210**
211		
212		
213	**213**	
214		
215		
216		
217		**217**
218		
219		
220	**220**	
221		
222		
223		
224		**224**
225		
226		
227	**227**	
228		
229		
230		
231		**231**
232		
233		
234	**234**	
235		
236		
237		
238		**238**
239		
240		
241	**241**	
242		
243		
244		
245		**245**
246		
247		
248	**248**	
249		
250		
251		
252		**252**
253		
254		

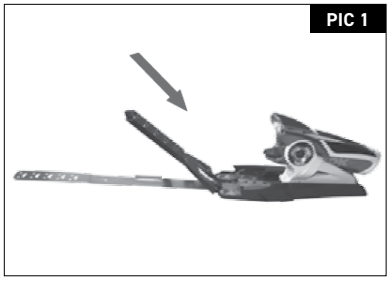
 mm	TOE ADJUSTMENT 	HEEL ADJUSTMENT 
255	**255**	**252**
256		
257		
258		
259		**259**
260		
261		
262	**262**	
263		
264		
265		
266		**266**
267		
268		
269	**269**	
270		
271		
272		
273		**273**
274		
275		
276	**276**	
277		
278		
279		
280		**280**
281		
282		
283	**283**	
284		
285		
286		
287		**287**
288		
289		
290	**290**	
291		
292		
293		
294		**294**
295		
296		
297	**297**	
298		
299		
300		
301		**301**
302		
303		
304	**304**	
305		

LOOK SPX/PX RACING ROCKERFLEX / MAXFLEX
ROSSIGNOL AXIAL^3/AXIAL^2 WORLD CUP ROCKERFLEX / MFX

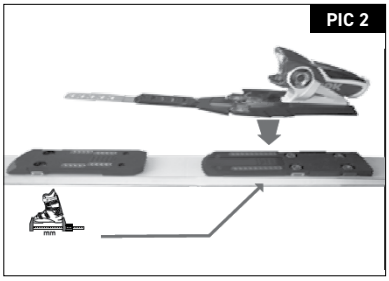
ASSEMBLY PROCEDURE

1. Install the plastic rail cover over the metal rail with the 2 holes aligning with the 2 front screws of the heel piece (pic 1).
2. Place the heel piece on the plate in the holes corresponding to the millimeter length of the boot sole you are mounting for (pic 2). (See chart on page 27.)
3. Tighten each heel screw gradually a few turns at a time until the heel piece is flat and flush on the plate (pic 3).
4. Install brake.
5. Insert the metal rail coming from the heel through the slot in the toe piece AFD plate just in front of the teflon part (pic 4).
6. Slide the toe piece AFD plate to the length of your boot sole length you are mounting for, you can see this on the plastic middle cover (pic 8).
7. Make sure the moon shaped portion on the toe piece AFD and the metal rail clip and lock in together (pic 5).
   a. Rockerflex / MFX 120 - the "moon shaped portion" of the toe is <u>not located</u> on the bottom of the toe piece like the 150 and 200, it is located on the bottom of the AFD. Double check that you are aligning the moon shape of the AFD with the correct relief in the MFX band, this is the connection between the toe and the heel, not the plastic "teeth".
   **Note: for the largest range (326-341mm) the MFX band must engage with the "moon shape" but will not engage the plastic "teeth" (pic 5).*
8. Double check that the boot sole range can be seen on the plastic middle cover. The boot range must be visible (pic 8).
   a. If you are not directly at the holes on the plate that you need, you can adjust the heel piece forward pressure screw to align the plate hole with the screw hole openings on the toe piece AFD plate
9. Clip the toe piece into the toe piece AFD plate (pic 9).
10. Tighten each toe screw gradually a few turns at a time until the toe piece is flat and flush on the plate (pic 10).
11. Set and check forward pressure (page 14-15), visually inspect that heel piece is in "OK" range of heel track. (pic 11)
12. Set and check Release Value Settings. (See pages 47-49.)
13. **If you chose Release Values outside of the chart, please follow instructions laid out in Discretionary Settings Request** (page 50).

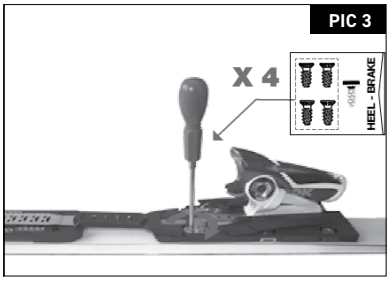
PIC 1



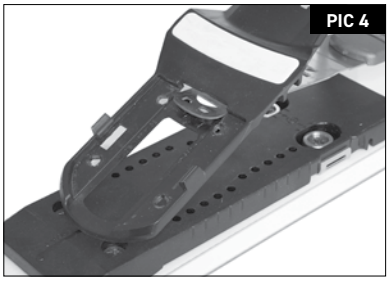
PIC 2



PIC 3



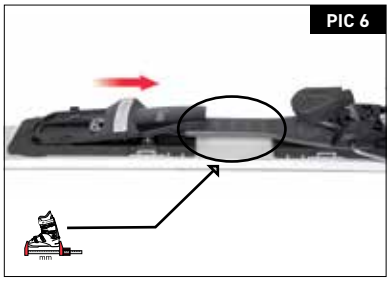
PIC 4



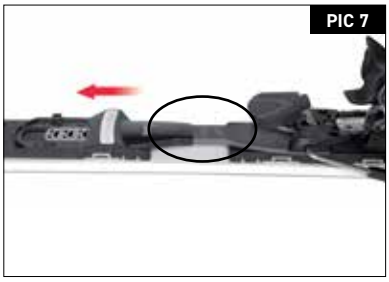
MFX 120 ONLY

PIC 5

PIC 6

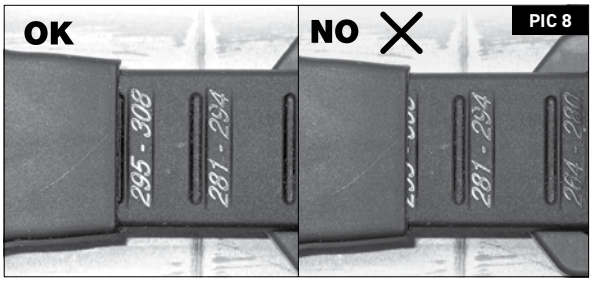


PIC 7

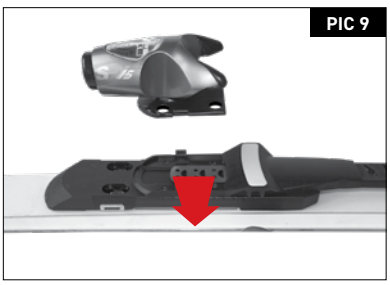


OK NO

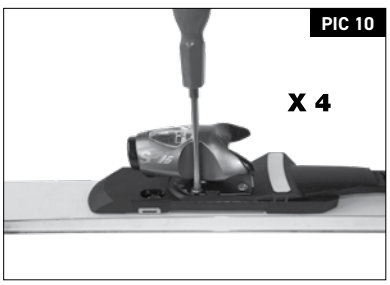
PIC 8



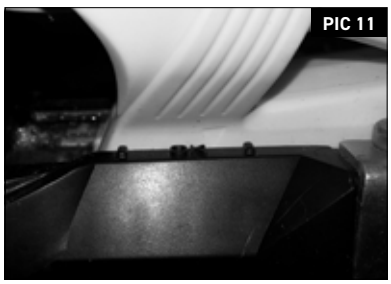
PIC 9



PIC 10



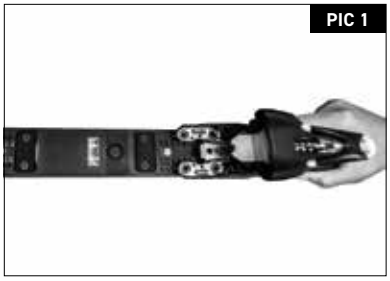
PIC 11

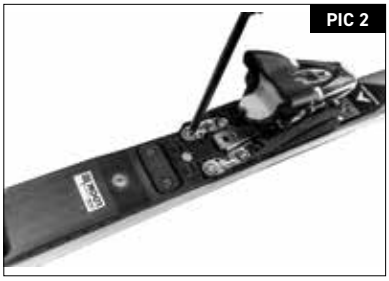


LOOK SPX/PX RACING ROCKERACE

ASSEMBLY PROCEDURE

1. Place the heel piece on the plate in the holes corresponding to the millimeter length of the boot sole you are mounting for (pic 1). (See chart on page 27.)
2. Tighten each heel screw gradually a few turns at a time until the heel piece is flat and flush on the plate (pic 2). Tighten to 4nm.
3. Clip the toe piece into the toe piece AFD plate (pic 3).
4. Place the toe piece on the plate in the holes corresponding to the millimeter length of the boot sole you are mounting for (pic 4). (See chart on page 27.)
5. Tighten each toe screw gradually a few turns at a time until the toe piece is flat and flush on the plate (pic 5). Tighten to 4nm.
6. Install brake.(pic 6)
7. Set and check forward pressure (page 16), visually inspect that heel piece is in "OK" range of heel track. (pic 7)
8. Set and check Release Value Settings. (See pages 47-49)
9. **If you chose Release Values outside of the chart, please follow instructions laid out in Discretionary Settings Request** (page 50).


PIC 1

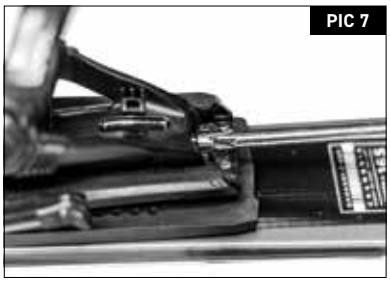

PIC 2


PIC 3


PIC 4


PIC 5


PIC 6


PIC 7

RACE BINDING INDICATOR SETTINGS

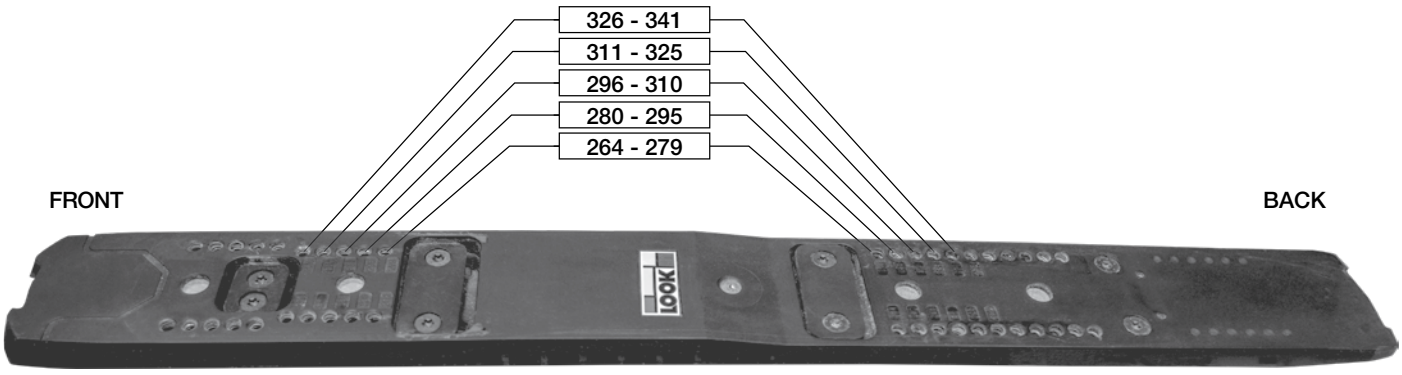
1. Determine your indicator setting using the 2020/21 Rossignol Group Binding Adjustment Chart on page 49
2. Follow the torque testing procedures located on pages 48 and 49

   NOTE: The initial indicator settings found in this table are only the starting point in the boot/binding system setting process. The initial values may need to be modified to achieve the correct measured release values.

3. Discretionary settings are allowable. This is explained on page 50-51. **Skiers who need a higher setting will normally have only the heelpiece set higher.**
4. If you choose to use a discretionary setting, confirm the performance of the ski/binding/boot system by the following steps:
   a. Using the Binding Adjustment Chart, follow the appropriate sole length column down to the indicator value you have chosen
   b. Move to the right accross the chart to the reference torque for the twist and lean columns
   c. The torques above and below the reference torque are INSPECTION RANGE
5. If you find your test results are in the lower part of the INSPECTION RANGE you may increase the indicator setting to a higher measured release value within the INSPECTION RANGE
6. Bindings should be torque tested again after any indicator setting change

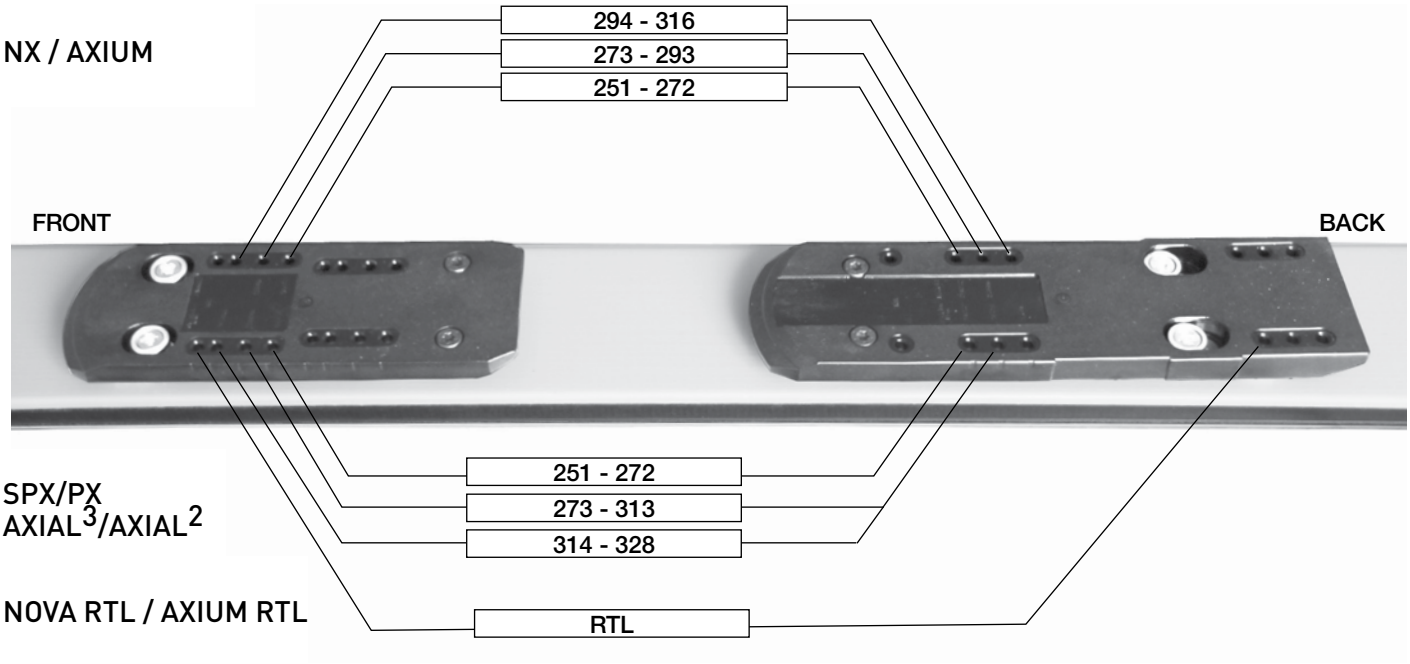
R22 RACING PLATE

- SPX, PX ROCKERFLEX / AXIAL^3, AXIAL^2 WC
- SPX, PX RACING / AXIAL^3, AXIAL^2



R20 PRO PLATE

- NX / AXIUM

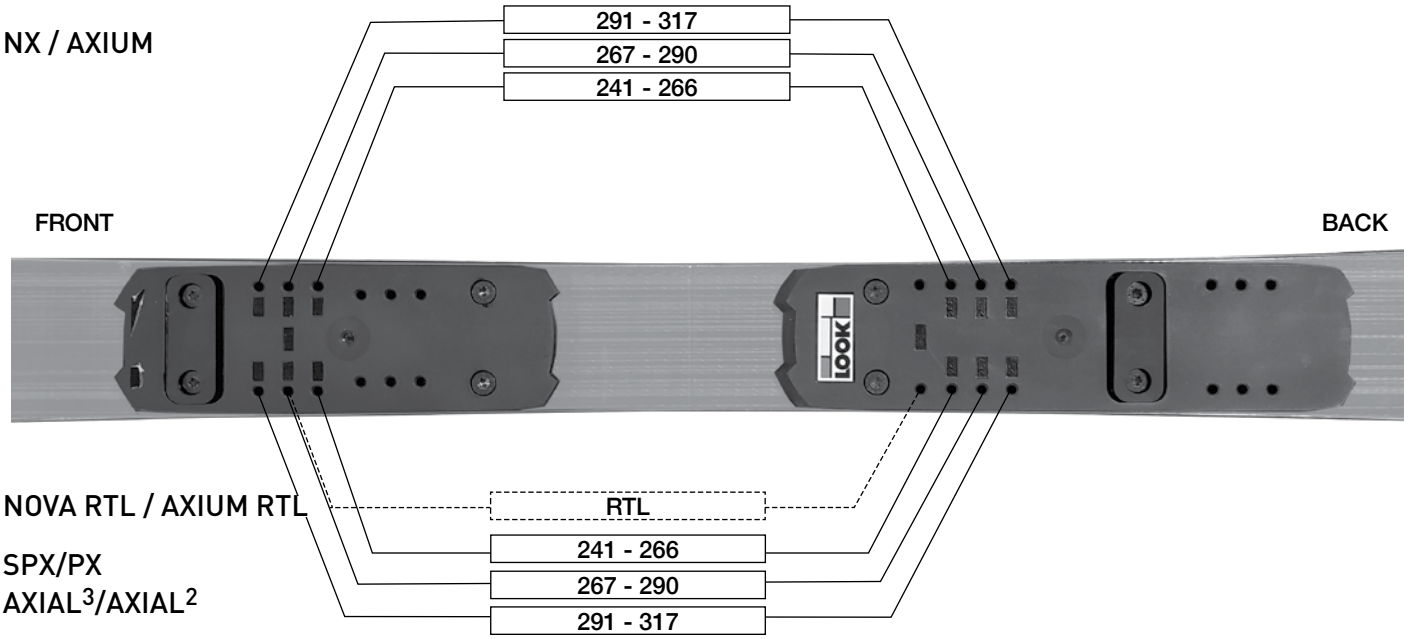


- SPX/PX
- AXIAL^3/AXIAL^2

- NOVA RTL / AXIUM RTL

R21 PRO PLATE

- NX / AXIUM



- NOVA RTL / AXIUM RTL
- SPX/PX
- AXIAL^3/AXIAL^2

LOOK SUPERLITE

WARNING: Look Superlite bindings are for ski touring (AT) use only. They are compatible with touring ski boots featuring metallic tech fittings made by: Dynafit, Scarpa, Fischer, Scott, Roxa, Movement, and Hagan. They are not for use with any boot that does not have tech fittings.

Skiers who use any other type of boot with this binding are warned that the boot-binding system will not function as intended and there will be an increased risk of injury.

AT ski bindings offer functions not available with most alpine bindings but will not provide the same release and retention performance as part of a ski/binding/boot system as standard Alpine boots and bindings.

Mounting Instructions

1. Place Look Superlite mounting template on the ski lining up the midsole mark of the ski and the boot midsole line on the template (photos 29 & 30).

photo 29

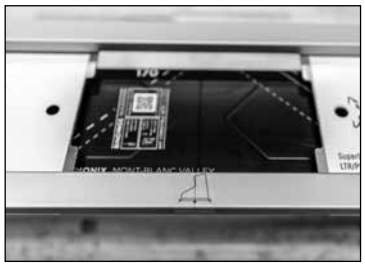


photo 30

2. Adjust the heel and toe plates of the template to the appropriate boot sole length inscribed on the template (photo 31).
   a. Use the boot as a reference to ensure the plates are adjusted to the correct size (photo 32).
   b. The Look Superlite binding does not have forward pressure adjustments. Ensure heel piece is positionned the proper distance from the boot heel before drilling.

photo 31

photo 32

3. Drill the holes appropriate to the binding hole pattern (photo 33).
4. Use only the drill bit size recommended by the ski manufacturer.

photo 33

5. Follow tapping and gluing procedures according to the ski manufacturer's recommendations. (photo 34).

photo 34

6. Mount heel piece first:
   a. Tighten front screws of the heel piece first. (photo 35)
   b. Rotate heelpiece to access back screws.
   c. Tighten back screws of heel piece.
   d. **Tighten all 4 screws of the heel piece using 4 Nm. of torque.**
7. Mount toe piece
   a. Start by screwing all 4 screws half way into the ski. (photo 36)
   b. **Tighten 4 screws of the toe piece using 4 Nm of torque working in a cross pattern.**

photo 35

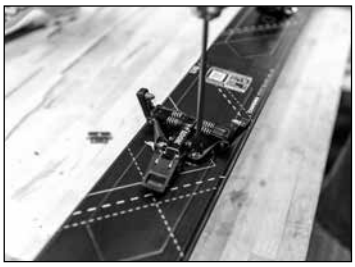


photo 36

8. Install brake by sliding backwards until silver pins on the heel piece align with the holes on the side of the brake piece. (photos 37 & 38)

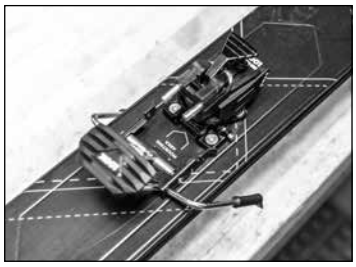


photo 37

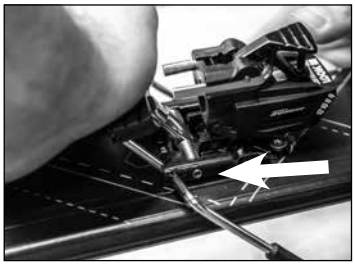


photo 38

9. Place the boot in the binding and use the white shim provided to confirm proper heel piece postioning. (photo 39)
10. Adjust retention setting in the heel only. (photo 40)

photo 39

photo 40

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LOOK HM

WARNING: Look HM bindings are for ski touring (AT) use only. They are compatible with touring ski boots featuring metallic tech fittings made by: Dynafit, Scarpa, Fischer, Scott, Roxa, Movement, and Hagan. They are not for use with any boot that does not have tech fittings.

Skiers who use any other type of boot with this binding are warned that the boot-binding system will not function as intended and there will be an increased risk of injury.

AT ski bindings offer functions not available with most alpine bindings but will not provide the same release and retention performance as part of a ski/binding/boot system as standard Alpine boots and bindings.

Mounting Instructions

1. Place Look HM mounting template on the ski lining up the midsole mark of the ski and the boot midsole line on the template (photos 43 & 44).
2. Adjust the heel and toe plates of the template to the appropriate

photo 43

photo 44

boot sole length inscribed on the template (photo 45).
   a. Use the boot as a reference to ensure the plates are adjusted to the correct size (photo 46).
3. Drill the holes appropriate to the binding hole pattern (photo 47).

photo 45

photo 46

4. Use only the drill bit size recommended by the ski manufacturer.

photo 47

5. Follow tapping and gluing procedures according to the ski manufacturer's recommendations. (photo 48).

photo 48

6. Mount heel piece first – **LEAVE RUBBER STRAP ON BRAKE**
   a. Tighten front screws of the heel piece first (photo 49)
   b. Remove rubber strap while holding the ski brake up
   c. Tighten back screws of heel piece (photo 50)
   d. **Tighten all 4 screws of the heel piece using 4 Nm. of torque.**

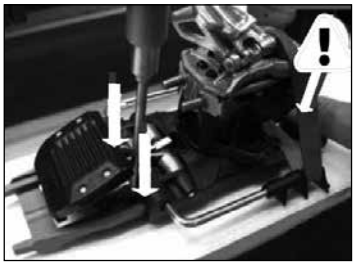


photo 49

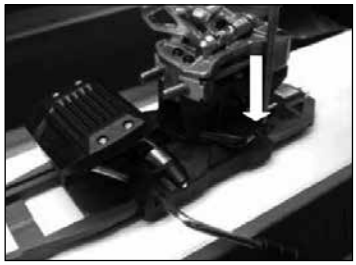


photo 50

7. Mount toe piece
   a. Start by screwing all 4 screws half way into the ski (photo 51)
   b. Place the boot in the binding and LOCK the toe piece to ensure the fit is correct (photo 52)

photo 51

photo 52

   c. Tighten the front screws of the toe piece properly leaving the boot in the binding
   d. Remove the boot and tighten the back two screws of the toe piece (photo 53)
   e. **Tighten 4 screws of the toe piece using 4 Nm of torque**

photo 53

8. Place the boot in the binding and adjust the heel piece to the boot length/forward pressure
   a. Use only PZ3 Pozidrive, 8mm nut tool, or Dynafit Adjust Tool (photo 54)
   b. **Move the heel until a small (approx. 0.2mm) gap is visible** (photo 55)

photo 54

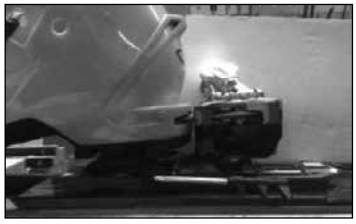


photo 55

LOOK HM DEMO

MOUNTING INSTRUCTIONS

1. Using the Look HM template use 304mm boot sole length measurement to mount Look HM Demo bindings (photo 43)
   a. Adjustment range 259mm – 349mm

photo 43

2. Refer to Look HM mounting instructions for template and drilling procedures
3. **HM Demo Heel Piece Mounting – LEAVE RUBBER STRAP ON BRAKE** (photo 49)

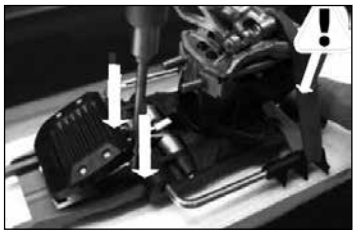


photo 49

   a. Slide Heel piece to back of demo track and tighten front screws using 4Nm of torque
   b. Remove rubber strap while holding ski brake up
   c. Slide heel piece to front of demo track and tighten front screws using 4Nm of torque
4. **HM Demo Toe Piece Mounting**
   a. Slide rotating toe piece to back of demo track and tighten front screws first using 4Nm of torque (photos 56 & 57).

photo 56

photo 57

   b. Slide rotating toe piece forward and tighten the rear screws second using 4Nm of torque (photos 58 & 59).

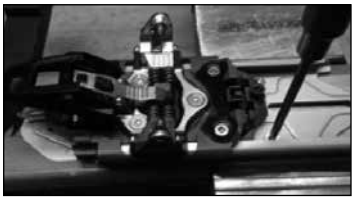


photo 58

photo 59

   c. Bring rotating toe piece to center of the demo track and tighten the central screw (photo 60)

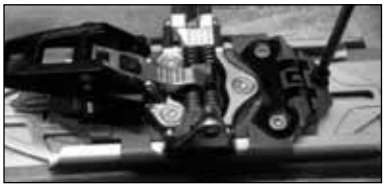


photo 60

LOOK HM AND HM DEMO RELEASE VALUE SETTING

1. Frontward and torsion (lateral) release values are set on the heel piece using 2 different screws.
   a. There are 2 indicators that must be aligned to the same number scribed on the heel piece in order to work properly (photo 61 & 62)

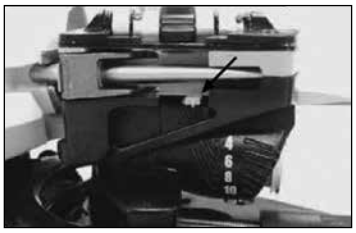


photo 61

photo 62

   b. Use the Rossignol binding adjust chart on page 49 for proper setting

> RENTAL / DEMO

Rental and Demo equipment is a great source of revenue for many shops, therefore ensuring that this equipment operates and is maintained properly is very important.

The process of mounting rental equipment is often rushed through without acknowledgment of the consequences. Rental shop managers can greatly reduce the risk of mounting problems by taking a few minutes reviewing and following the guidelines.

Warning: As an extra precaution, when mounting any rental or demo system, test mount one system BEFORE drilling the entire inventory. Use the boot sizer and a selection of boots to confirm template adjustment.

"Dual" alpine ski bindings are designed to work with standard alpine ski boot soles that comply with the ISO 5355 standard or WTR certified, and Grip Walk soles. AW and GW bindings are designed to work with standard alpine ski boot soles that comply with the ISO 5355 standard or GRIPWALK® soles.

Please note: Boots with AT soles (ISO 9523) may fit into these bindings, and the system may perform acceptably in shop tests, the system will not provide the same degree of release and retention performance as alpine, WTR, GRIPWALK® systems and these boots should not be used with DUAL, AW, or GW bindings.

Guidelines

1. Visually inspect the boot and binding system, (page 6 and 7)
2. Don't rush the process. The average rental ski is in-use for three seasons. A few extra minutes during the mounting process is irrelevant to overall shop profits.
3. Use the correct template.
4. Tape over or plug template holes that will not be used.
5. Check that template sits flush on ski BEFORE drilling.
6. When mounting Rossignol or Dynastar fleet rental skis:
   - Adult sizes 132 cm-177 cm: use a NEW 3.5 x 9.5 mm drill bit
   - Junior sizes ≤132 cm: use a NEW 3.5 x 7.5 mm drill bit
7. Check binding screw length against ski thickness when mounting other manufacturer's rental bindings on shorter length Rossignol or Dynastar fleet rental skis. Replace or grind screws if necessary.
8. On larger template settings, check drill bit depth against sidewall BEFORE drilling.
9. Drill deep enough to deburr the topsheet of the ski.
10. Turn ski over and tap with hand on ski base to remove debris.
11. Put a small amount of SKI BINDING GLUE into each hole. (This lubricates the screws, prevents them from working loose and provides a water tight seal.) DO NOT USE WOOD GLUE.
12. When using a screwshooter, set torque correctly (5 Nm max). If torque is not set correctly, pull trigger intermittently until binding is seated. (Screws can become partially stripped without the screw spinning.)

> RENTAL MOUNTING & ADJUSTMENT

LOOK / ROSSIGNOL KONECT, XPRESS, KID-X PLATE MOUNTING

Template Used: FCGF101 RTL SYS Template

DRILLING

1. Place RTL SYS Template on ski. Align appropriate center mark of template with center mark on ski.
2. Drill Front (tip) plate holes, then rear (tail) plate holes.

TO PREVENT STRIPPED SCREWS

1. BEFORE INSTALLATION back out plate screws until the tip of each screw is at least flush with the base of the plate, allowing the plate to sit completely flat on the topsheet of the ski.

INSTALLATION

1. Put a small amount of ski binding glue into each hole. (This lubricates the screws, prevents them working loose, and provides a watertight seal). DO NOT USE WOOD GLUE.
2. Position front plate over drilled front holes.
3. Using a #3 POZIDRIVE, insert plate screws in a cross-pattern until firmly seated on ski.
4. Using a screwshooter, set torque correctly (5 Nm max). If torque is not set correctly, pull trigger intermittently until binding is seated.
5. Position heel plate over drilled heel holes. Return to step #4 above.
6. Visually inspect that the plate is seated flush to the top of the ski on ALL SIDES. There should be no gaps between the plate base and the topsheet.
7. Proceed to Tool-Free Integrated Binding System Adjustment (pages 17-19).

DRILLING, INSTALLING & ADJUSTING: RENTAL

LOOK SPX/PX/NX DEMO² ROSSIGNOL AXIAL³/AXIAL²/AXIUM SPEEDSET (EPR)

ADJUSTABLE TOE AND HEEL
COMPATIBLE WITH ADULT BOOT SOLES ONLY

Template Used: Adult Template
(see page 9, item # FC0F001)
Boot Sole Length: Speedset / Demo^2 = 258-386 mm
Demo = 258-379mm

1. Hold the template so the two grips are facing away from you. (photo below)
2. Rotate the two grips to open the clamps of the template.
3. Place the template flush to the ski and release the grips. To accommodate narrower/wider width skis:
   a. Remove rubber template feet, then re-install ALL FOUR so they face the opposite direction (page 10, photo 3).
4. Unlock the locking lever (A) and align the open arrow under the "R" position (or align template with the 290 mm sole length).
5. Push in the yellow locking button (D) opposite locking lever (A). (If done correctly the "R" position will now be highlighted above the arrow.)
6. Align template on ski using the **BOOT MID-SOLE** mark and the ski center mark.
7. Drill Speedset EPR/ Demo^2 toe track holes using the bushings coded RED.
8. Drill Speedset EPR/ Demo^2 heelpiece holes using bushings coded GREEN.
9. Remove template, turn ski over and tap with hand, removing all debris.
10. Tap ski if recommended by manufacturer and repeat step 9.
11. Proceed to INSTALLING BINDINGS: RENTAL, page 35.

LOOK KID 4 GW RTL LOOK TEAM 4 QUICKSET ROSSIGNOL COMP J 45 SPEEDSET (EPR)

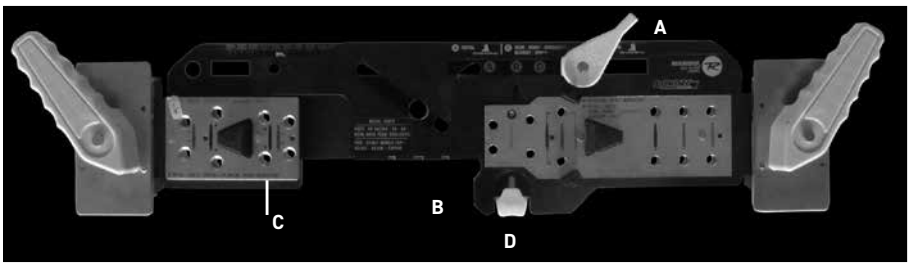
ADJUSTABLE TOE AND HEEL
COMPATIBLE WITH ADULT AND CHILDREN'S BOOT SOLES

Template Used: Junior Template
(see page 9, item # FC6F018)
Boot Sole Length: 205-304 mm

1. Hold the template so the two grips are facing away from you (photo below).
2. Rotate the two grips to open the clamps of the template.
3. Place the template flush to the ski and release the grips. To accommodate narrower/wider width skis:
   a. Remove rubber template feet, then re-install ALL FOUR so they face the opposite direction (page 10, photo 3).
4. Unlock the locking lever (A) and align the yellow tab (beneath the sole length scale) with "R" position (or 250 mm sole length).
5. Lock the template with locking lever (A).
6. Drill the Speedset (EPR) / Quickset toe track holes coded BLACK.
7. Drill the Speedset (EPR) / Quickset heelpiece holes coded ORANGE.
8. Remove template, turn ski over and tap with hand, removing all debris.
9. Tap ski if recommended by manufacturer and repeat step 8.
10. Proceed to INSTALLING BINDINGS: RENTAL, page 35.

Note:
Look Team 4 RL, X-press Kid / Rossignol Comp J 45 Speedset, Xelium Kid bindings automatically adapt to both children and adult ISO boot soles.

ADULT TEMPLATE - ITEM # FC0F001



LOOK NX RTL
ROSSIGNOL AXIUM RENTAL,
*AXIUM JR RENTAL**

ADJUSTABLE HEEL ONLY
COMPATIBLE WITH ADULT BOOT SOLES ONLY

Template Used:
Adult Template (see page 9, item # FC0F001)
Boot Sole Length: 254-340 mm (Rental position "A")
298-384 mm (Rental position "D")

1. Determine the adjustment range you require for your rental skis/ bindings:
   a. For 254-340 mm adjustment range, use Rental position "A" (or 270 mm boot sole length).
   b. For 298-384 mm adjustment range, use Rental position "D" (or 310 mm boot sole length).
2. Unlock the locking lever (A) and align the open arrow under the appropriate Rental position, "A" or "D" (see above).
3. Push in the yellow locking button (E) opposite locking lever (A). (If done correctly the "A" or "D" Rental position will now be highlighted.
4. Hold the template so the two grips are facing away from you (see photo, page 33).
5. Rotate the two grips to open the clamps of the template.
6. Place the template flush to the ski and release the grips. To accommodate narrower/wider width skis:
   a. Remove rubber template feet, then re-install ALL FOUR so they face the opposite direction (page 10, photo 3).
7. Align template on ski using the template's RENTAL mark (B) and the ski's center mark.
8. Drill Rental/RTL toepiece holes using the bushings coded BLACK.
9. Drill Rental/RTL heelpiece holes using bushings coded ORANGE.
10. Remove template, turn ski over and tap with hand, removing all debris.
11. Tap ski if recommended by manufacturer and repeat step 10.
12. Proceed to INSTALLING BINDINGS: RENTAL, page 35.

***Note on mounting AXIUM JR Rental bindings on ADULT SKIS: These bindings are packaged with adult and junior binding screws. For mounting on adult skis:**
1. Remove the shorter (junior) binding screws found in the binding itself.
2. Replace with longer (adult) screws found packaged separately.

These bindings are NOT compatible with children's boot soles.

LOOK & ROSSIGNOL FLASH IRS

ADJUSTABLE HEEL ONLY
COMPATIBLE WITH ADULT BOOT SOLES ONLY

Template Used:
Adult Template (see page 9, item # FC0F001)
Boot Sole Length: 287-371 mm

1. For mounting ALL ski sizes, set template to precisely 300 mm boot sole length.
2. Hold the template so the two grips are facing away from you (see photo page 33).
3. Rotate the two grips to open the clamps of the template.
4. Place the template flush to the ski and release the grips. To accommodate narrower/wider width skis:
   a. Remove rubber template feet, then re-install ALL FOUR so they face the opposite direction (page 10, photo 3).
5. Move 1cm forward from midsole mark on ski and mark a new midsole point.
6. Align template on ski using the template's BOOT SOLE mark (B) and the new midsole point on ski (see step #5).
7. Drill FLASH IRS toepiece holes using the bushings coded BLACK.
8. Drill FLASH IRS heelpiece holes using bushings coded ORANGE.
9. Remove template, turn ski over and tap with hand, removing all debris.
10. Tap ski if recommended by manufacturer and repeat step 9.
11. Proceed to INSTALLING BINDINGS: RENTAL, page 35.

LOOK KID X 4 RENTAL
LOOK TEAM 4 RL
ROSSIGNOL COMP J 45, SAPHIR J 45

ADJUSTABLE HEEL ONLY
COMPATIBLE WITH ADULT AND CHILDREN'S BOOT SOLES

Boot Sole Length: 203-255 mm (Rental position "A")
245-307 mm (Rental position "B")

1. Determine the adjustment range you require for your rental skis/ bindings:
   a. For 203-255 mm adjustment range, use Rental position "A" (or 210 mm boot sole length).
   b. For 245-307 mm adjustment range, use Rental position "B" (or 260 mm boot sole length).
2. Unlock the locking lever (A) and align the yellow tab (beneath the sole length scale) with the appropriate Rental position (see above).

Proceed to Step # 2 under TEAM 2 RL, COMP KID 25, PRINCESS 25, on the next page (35).

LOOK TEAM 2 RL
ROSSIGNOL COMP KID 25, PRINCESS 25

ADJUSTABLE HEEL ONLY
COMPATIBLE WITH CHILDREN'S BOOT SOLES ONLY

Boot Sole Length: 203-255 mm
Template Used: Junior Template (see page 9, item # FC6F018)

1. Unlock the locking lever (A) and align the yellow tab (beneath the sole length scale) with the Rental position "A" (or 210 mm sole length).
2. Lock the template with locking lever (A).
3. Hold the template so the two grips are facing away from you (see photo, page 29).
4. Rotate the two grips to open the clamps of the template.
5. Place the template flush to the ski and release the grips. To accommodate narrower/wider width skis:
   a. Remove rubber template feet, then re-install ALL FOUR so they face the opposite direction (page 10, photo 3).
6. Align template on ski using the template's RENTAL mark (B) and the ski's center mark.
7. Drill toepiece holes using the bushings coded RED.
8. Drill heelpiece holes using bushings coded ORANGE.
9. Remove template, turn ski over and tap with hand, removing all debris.
10. Tap ski if recommended by manufacturer and repeat step 10.
11. Proceed to INSTALLING BINDINGS: RENTAL, page 35.

Note on mounting Team 4 RL / Comp J 45 , Saphir J 45 on ADULT SKIS:
These bindings are packaged with JUNIOR binding screws.
For mounting on ADULT skis:
1. Replace all shorter (junior) binding screws found in the binding itself with a longer (adult) screw set, available from The Rossignol Group (contact info on back cover).

INSTALLING BINDINGS: RENTAL

For more info on DRILLING, TAPPING, GLUING and MOUNTING see pages 10 & 11.

TO PREVENT STRIPPED SCREWS
1. BEFORE INSTALLATION back out binding screws until the tip of the screw is at least flush with the base of the binding, allowing the binding to sit completely flat on topsheet of ski.

INSTALLATION
2. Put a small amount of SKI BINDING GLUE into each hole. (This lubricates the screws, prevents them from working loose, and provides a watertight seal). DO NOT USE WOOD GLUE.
3. Position toe track over drilled toe holes and heel track over drilled heel holes.
4. Using a #3 POZIDRIVE screwdriver, insert binding screws in a cross-pattern until firmly seated on ski.
   a. Using a screwshooter, set torque correctly (5 Nm maximum). If torque is not set correctly, pull trigger intermittently until binding is seated.
5. Confirm brakes are correctly mounted to heelpiece.

Rental Bindings with Adjustable Toes and Heels (Demo^2, Quickset, Speedset (EPR):
6. With the toepiece locking lever open, slide toepiece onto the track from the front.
7. Close locking lever.
8. Proceed to ADJUSTING FORWARD PRESSURE (RENTAL), see below.

If there is NO adjustable toepiece:
9. Install heelpiece stopper at the rear of the heel track.
10. Proceed to ADJUSTING FORWARD PRESSURE (RENTAL), see below.

ADJUSTING FORWARD PRESSURE: RENTAL

See pages 20-21 and 36-38 for All Rental Binding Adjustment Charts

1. Press heel piece down, opening binding completely.

If there is NO adjustable toepiece, Proceed to Step # 6 below.

Rental Bindings with Adjustable Toes and Heels (Konect, Xpress, Xpress Jr, Kid X, Demo^2, Quickset, Speedset (EPR)):
2. Release locking lever on toepiece near AFD.
3. Adjust to the appropriate color-coded or boot sole length on plate.
4. Close locking lever. (photo 63)
5. Tap toepiece forward, confirming it locks in place.
6. Position boot toe in binding toepiece without engaging heel.
7. At back or along side of heelpiece, lift locking lever to slide heelpiece in track.
8. Move heelpiece until it almost contacts the boot heel.
9. Release locking lever.
10. Tap heel forward, confirming heelpiece locks into place.
11. Insert boot into the binding with authority.
12. **Confirm forward pressure is correct by checking indicator:**
    a. **Konect:** refer to page 17, figures 1 & 2
    b. **Xpress, Xpress Jr:** refer to page 18
    c. **SPX, PX / Axial^3, Axial^2:** yellow indicator covers half of window (see page 16, photo 16)
    d. **NX, Nova / Axium, Saphir:** black scribe in middle of window (see page 16, photo 17)
    e. **Kid X:** refer to page 19
13. Remove boot from binding, reinsert and check forward pressure again. Readjust if necessary.

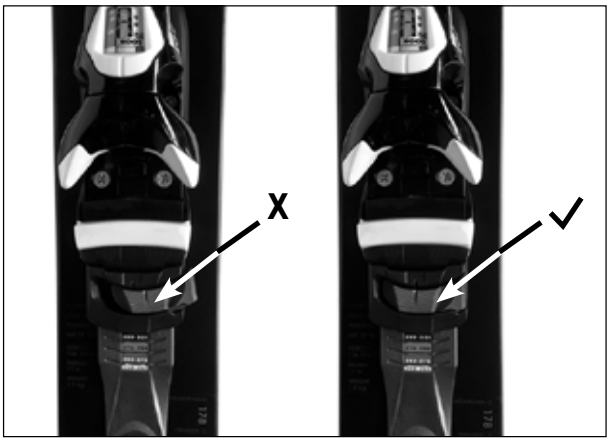
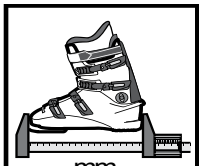


photo 63

> RENTAL BOOT-BINDING ADJUSTMENT



QUICKSET SPEEDSET			
258 - 259	258-262	258	WHITE
260 - 262		260	
263 - 266	263-275	263	GREEN
267 - 269		267	
270 - 272		270	
273 - 275		273	
276 - 279	276-288	276	PINK
280 - 282		280	
283 - 285		283	
286 - 288		286	FLASH IRS PINK
289 - 292	289-301	289	PURPLE
293 - 295		293	
296 - 298		296	
299 - 301		299	
302 - 305	302-314	302	YELLOW
306 - 308		306	
309 - 311		309	
312- 314		312	
315- 318	315-327	315	FLASH IRS RED
319- 321		319	RED
322 - 324		322	
325 - 327		325	
328 - 331	328-340	328	BLUE
332 - 334		332	
335 - 337		335	
338 - 340		338	
341- 344	341-386	341	BLACK
345 - 347		345	
348 - 350		348	FLASH IRS BLACK
351- 353		351	
354 - 356		354	
357 - 359		357	
360 - 362		360	
363 - 365		363	FLASH IRS SILVER
366 - 368		366	
367 - 371		369	
372 - 374		372	
375 - 377		375	
378 - 380		378	
381- 383		381	
384 - 386		384	

TEAM 4 QS COMP J 45 L SPEEDSET		
Sole Length mm	CODE	
	Toe	Heel
205-210	G	1
211-215	F	1
216-219	F	2
220-223	E	1
224-227	E	2
228-230	F	3
231-234	D	2
235-237	D	3
238-241	D	4
242-245	C	3
246-248	C	4
249-251	C	5
252-254	C	6
255-257	C	7
258-261	C	8
262-265	B	7
266-268	B	8
269-271	B	9
272-275	A	8
276-278	A	9
279-281	A	10
282-284	A	11
285-288	A	12
289-292	O	11
293-296	O	12
297-299	O	13
300-303	O	14
304-306	O	15

NOVA / AXIUM RTL ADJUSTMENT CHART

Position	Mounting Position A		Mountain Position D	
				
1	254	258	298	300
2	259	261	301	303
3	262	264	304	306
4	265	267	307	309
5	268	270	310	312
6	271	273	313	315
7	274	276	316	318
8	277	279	319	321
9	280	282	322	324
10	283	285	325	327
11	286	288	328	330
12	289	291	331	333
13	292	294	334	336
14	295	297	337	339
15	298	300	340	342
16	301	303	343	345
17	304	306	346	348
18	307	309	349	351
19	310	312	352	354
20	313	315	355	357
21	316	318	358	360
22	319	321	361	363
23	322	324	364	366
24	325	327	367	369
25	328	330	370	372
26	331	333	373	375
27	334	336	376	378
28	337	340	379	384

FLASH IRS ADJUSTMENT CHART

COLOR CODE	HEEL TRACK CODE	BOOT SOLE LENGTH	ROSSIGNOL FLASH IRS	DALBELLO VANTAGE 4 FACTOR	HEAD BYS
Pink	1	287mm	288mm Pink		289mm Black
	•			290mm Orange	
	3	293mm			
	•				
	5	299mm			
	•				
	7	305mm			
	•				
	9	311mm			
	•				
Red	11	317mm	318mm Red		
	•			320mm Purple	
	13	323mm			
	•				
	15	329mm			329mm Yellow
	•				
	17	335mm			
	•				
	19	341mm			
	•				
Black	21	347mm	348mm Black		
	•			350mm Blue	
	23	353mm			
	•				
	25	359mm			
	•				
	27	365mm			365mm Silver
Silver	•		368mm Silver	370mm Green	

TEAM 2 RL / TEAM 4 RL AND COMP KID 25 / COMP J 45 ADJUSTMENT

PREDRILLED SKIS USING TEAM 2 RL AND COMP KID 25

Heel Position	Ski 67 cm		Ski 80 cm		Ski 93 cm	
1			195	198	210	211
2			199	201	212	214
3			202	204	215	217
4			205	208	218	221
5			209	211	222	225
6			212	214	226	228
7	195	197	215	217	229	232
8	198	201	218	220	233	236
9	202	205	221	223	237	239
10	206	208	224	227	240	242
11	209	212	228	231	243	246
12	213	215	232	235	247	250
13	216	219	236	238	251	253
14	220	222	239	241	254	256
15	223	226	242	245	257	259
16	227	230	246	248	260	262
17	231	233	249	252	263	266
18	234	240	253	255	267	270

WHEN MOUNTING **NON PREDRILLED** SKIS USING TEAM 4 RL / TEAM 2 RL & COMP J 45 / COMP KID 25

Heel Position	Sole Length A		Sole Length B	
1	195	198	245	248
2	199	201	249	251
3	202	205	252	255
4	206	208	256	258
5	209	212	259	262
6	213	215	263	265
7	216	219	266	269
8	220	222	270	272
9	223	226	273	276
10	227	229	277	279
11	230	233	280	283
12	234	236	284	286
13	237	240	287	290
14	241	243	291	293
15	244	247	294	297
16	248	250	298	300
17	251	254	301	304
18	255	257	305	307

KID X ADJUSTMENT CHART

(ALSO AVAILABLE ON PAGE 23)

mm		
205	205	205
206		
207		
208		
209		210
210		
211		
212		
213	213	
214		
215		
216		217
217		
218		
219		
220	220	
221		
222		
223		224
224		
225		
226		
227	227	
228		
229		
230		231
231		
232		
233		
234	234	
235		
236		
237		238
238		
239		
240		
241	241	
242		
243		
244		245
245		
246		
247		
248	248	
249		
250		
251		252
252		
253		
254		

mm		
255	255	252
256		
257		
258		
259		259
260		
261		
262	262	
263		
264		
265		266
266		
267		
268		
269	269	
270		
271		
272		273
273		
274		
275		
276	276	
277		
278		
279		280
280		
281		
282		
283	283	
284		
285		
286		287
287		
288		
289		
290	290	
291		
292		
293		294
294		
295		
296		
297	297	
298		
299		
300		301
301		
302		
303		
304	304	
305		

> INDICATOR SETTINGS AND DISPATCH

BINDING INDICATOR SETTINGS

Follow the steps below when setting the indicator on the toepiece and heelpiece of RETAIL or RENTAL bindings.

Note: Rental, Demo, and Quickset / Speedset (EPR) bindings are considered RENTAL products. If rental products are sold, you must supply the consumer with a copy of the retail in-box instructions.

Boot should always be engaged in binding system when adjusting indicator settings.*

During the preseason the shop can confirm the validity and precision of the indicator by enganging a selection of rental boot inventory into the binding. This would eliminate the need to adjust the indicators with the boot in the binding during the season.

1. **Adjusting toe piece indicator settings:**
   a. Locate indicator setting adjustment screw at front of toepiece.
   b. Locate indicator setting, visible in window on top of toepiece.
   c. **Determine the appropriate indicator value for the skier (see pages 47-49). Indicator values must comply with Rossignol Group recommendations (see table, page 49), or ASTM F-939, or ISO 8061.**
   d. Turn the indicator setting adjustment screw to set the indicator to the correct value, determined in step c.

2. **Adjusting heel piece indicator settings:**
   a. Locate indicator setting adjustment screw at rear of heelpiece.
   b. Locate indicator setting, visible in window:
      i. On side of heelpiece (PX, Axial[2])
      ii. On top of heelpiece (SPX, Axial[3], Pivot/FKS)
      iii. Under heelpiece lever (NX, Nova, Xpress / Axium, Saphir, Xelium)
   c. **Determine the appropriate indicator setting for the skier (see pg. 47-49). Indicator settings must comply with Rossignol Group recommendations. (see table, page 49), or ASTM F-939, or ISO 8061.**
   d. Turn the indicator setting adjustment screw to set the indicator determined in step "c".

3. **If the ski/binding system is for a RENTAL customer, proceed to DISPATCH below.**
4. **If the ski/binding system is for a RETAIL customer, proceed to RETAIL INSPECTION PROCEDURES, page 40.**

DISPATCH

Follow the steps below when dispatching skis to <u>Rental and Retail</u> consumers:

1. Show skier how to get in and out of binding.
2. Show indicator values on binding and the rental form or work ticket.
3. Have skier read, sign, and date the rental form or work ticket. Give them a copy.
4. **Review SKIER INSTRUCTIONS (see page 53), and discuss the inherent risks of skiing, including that well-adjusted, maintained ski/binding/boot systems reduce the risk of injury to the mid-shaft of the tibia.**

Adjusting toe piece

Adjusting heel piece

> BINDING INSPECTION AND TESTING PROCEDURES

INSPECTION AND TESTING PROCEDURES: RETAIL

We recommend skiers have their ski/binding/boot system serviced by an authorized binding technician every 30 days of skiing or annually, whichever comes first. Servicing should include the following:

1. **Complete visual inspection of ski/binding/boot components**
2. **System inspection using a Vermont Calibrator or electronic testing device.**

This procedure is required on all equipment as a final check on the performance of all three components (ski/binding/boot) as a system is required for indemnification in the US and is recommended in Canada.

This procedure should also be performed anytime an adjustment is made to the ski/binding/boot system.

Note on WINTERSTIEGER TEST DEVICES: Positioning of the ski/binding/boot system is very important for achieving accurate results. Be sure to place the strap close to the heel of the boot in forward lean tests.

When testing a step-in binding for TWIST and FORWARD LEAN (for older machines):

1. **Align the laser mark, respectively the 30 mm mark, with the end of the boot.**

When testing Pivot/FKS "turntable" style bindings:

1. **For TWIST tests, align boot/binding system's axis of rotation with the 0 mark on the device (pivot point).**
2. **For FORWARD LEAN tests, align the laser mark, respectively the 30 mm mark, with the end of the boot.**

For more details please refer to the Wintersteiger Testing Device Operating Instructions.

INSPECTING AND TESTING PROCEDURES: ADULT

IMPORTANT Notes:

- **Do not clamp the ski when doing twist tests with a Vermont Calibrator**
- **Hand position on clockwise and counter-clockwise twist tests is CRITICAL** (photos 64 & 65)

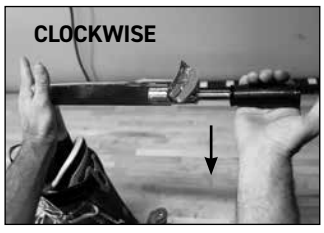


photo 64

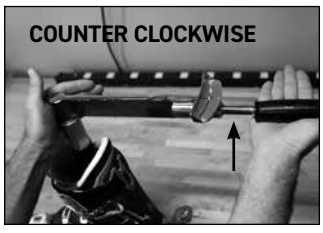


photo 65

1. Determine the binding's INSPECTION and IN-USE RANGES (see page 48, step 5 for how to determine INSPECTION and IN-USE RANGES)

2. Condition the boot/binding system by releasing it in all directions, TWIST (both directions) and FORWARD LEAN.

3. Perform three TWIST release tests in each direction and record the results (If the first two tests in any direction are equal, the third test is not necessary.)
4. Perform three FORWARD LEAN release tests
5. Compare the middle quantitative value of the three releases with the INSPECTION RANGE.
6. If results are within the INSPECTION RANGE, the system passes and can be dispatched to customer (see DISPATCH, page 39)
7. If results are not within the INSPECTION RANGE:
   a. Inspect all boot-to-binding interfaces and release settings, confirming all are clean and accurate.
   b. If a change is made, retest using steps # 1 - 5 above.
8. If retest results are within the IN-USE RANGE:
   a. Perform a Clean vs. Lubricated Test (see page 45) to determine if the boot/binding system is compatible.
   b. If the boot passes the Clean vs. Lubricated Test, re-adjust the binding release settings until testing results fall within the INSPECTION RANGE.

Note: Increase forward pressure according to Adjusting Forward Pressure: Retail, page 16/Rental, page 35, *if the following happens:*

- The boot releases from the heelpiece when TWIST testing the boot/binding system.
- The heelpiece remains closed after performing a FORWARD LEAN test.

TROUBLESHOOTING

If the system test results are outside the Inspection Range, inspect the boot for toe and heel wear. If toe and heels are worn out, replace with new toe and heels. Re-inspect the binding adjustments to ensure values are correct, then retest.

If using an electronic test device and system results are still outside the tolerance, retest using a Vermont Calibrator.

Note: If TWIST test values appear to be at an extremity of the INSPECTION RANGE, perform a Clean vs. Lubricated Test (see page 45), then readjust evenly in the INSPECTION RANGE.

If the results of the system test fall outside the IN-USE RANGE, visually inspect the system for any obvious deficiencies and complete a FINAL INSPECTION (see page 41). If no problems are detected with the system, the component should be returned for warranty replacement (see Warranty Procedures, page 55).

INSPECTING AND TESTING PROCEDURES: JUNIOR/KID

IMPORTANT Notes:
- **Do not clamp the ski when doing twist tests with a Vermont Calibrator**
- **Hand position on clockwise and counter-clockwise twist tests is CRITICAL** (see photos 64 & 65, page 40)

New boots and/or bindings:
1. Before testing system: place boot in binding and cycle twist 3 times clockwise, 3 times counter-clockwise, and 3 times at the heel.
2. When testing the heelpiece:
   a. Position ski in the "Built-to-Tilt" device so the rear clamp is close to the heelpiece (see photo 66).
   b. Position the calibrator strap on the boot so it sits behind the brake treadle (see photo 67).

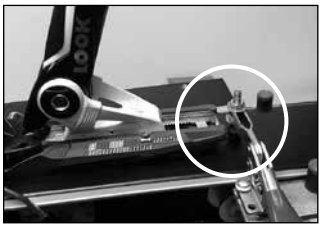


photo 66

photo 67

Used boots and/or bindings:
1. Clean boot toe and heel interface with warm soapy water, even if the boot looks clean (photo 68)
2. Clean the binding interfaces with warm soapy water, even if the binding looks clean (photo 69).

photo 68

photo 69

3. Before testing system: place boot in binding and cycle twist 3 times clockwise, 3 times counter-clockwise, and 3 times in the heel.
4. When testing the heelpiece:
   a. Position ski in the "Built-to-Tilt" device so the rear clamp is close to the heelpiece (see photo 66, above).
   b. Position the calibrator strap on the boot so it sits behind the brake treadle (see photo 67, above).

TROUBLESHOOTING

If the system test results are outside the Inspection Range, inspect the boot for toe and heel wear. If toe and heels are worn out, replace with new toe and heels. Re-inspect the binding adjustments to ensure values are correct, then retest.

If using an electronic test device and system results are still outside the tolerance, retest using a Vermont Calibrator.

Note: If TWIST test values appear to be at the extremities of the INSPECTION RANGE, perform a Clean vs. Lubricated Test (see page 46), then readjust evenly in the INSPECTION RANGE.

If the results of the system test fall outside the IN-USE RANGE, visually inspect the system for any obvious deficiencies and complete a FINAL INSPECTION (see below) If no problems are detected with the system, the component should be returned for warranty consideration (see Warranty Procedures, page 55).

FINAL INSPECTION

Complete the following final inspection:

1. Check that all screws are firmly installed.
2. Check that release value indicators are present and read-able.
3. Check that the brakes operate properly.
4. With boot engaged in binding, check re-centering of toepiece:
   a. Hit boot with sharp blow at the boot toe, and confirm the boot returns powerfully to the ski center.
5. If the boot does not re-center properly, check that:
   a. Forward pressure is correct (see pages 16-17 and/or page 35). **Note: For bindings set with a release value in the lower half of the binding's value range, the forward pressure can be adjusted slightly below the midpoint of the forward pressure scale.**
   b. AFD's are in good, clean condition.
      i. If contaminated, clean Teflon or lubricate Glider (mechanical AFD) by holding it off to one side and applying grease/lube to the backside of the Glider, then release.)
      ii. If worn out, replace with new AFD's from the Rossignol Group, (see page 61).
   c. Boot sole is clean. (If contaminated, clean with warm soapy water.)
   d. Boot sole is not worn and complies with current ISO standards, WTR certified, or GRIPWALK® (see page 6)
   e. Heel track is in good, clean condition.
      i. If contaminated, de-grease with warm water and soap and relube with binding grease.
      ii. If worn out, replace with new heel track from the Rossignol Group, (contact info back cover).

> RENTAL BINDING INSPECTION AND TESTING PROCEDURES

INSPECTION AND TESTING PROCEDURES: RENTAL

Seasonal Rentals should be inspected the same as Retail equipment (see page 40).

The following are step-by-step instructions of the Rossignol Group rental procedures. These procedures are separated into two parts: pre-season and in-season.

- **The pre-season inspection (below) tests the system by component. This begins by testing all rental bindings with a typical boot, then testing single samples of boots with a binding**
- **The in-season inspection (page 43) involves sampling ski/ binding/boot systems (see photo 68)**

SELECTING A TEST REFERENCE BOOT

1. Choose five single boots with a 311-330 mm sole length, (approx. 260mm for junior) preferably the same model.
2. Clean all five boots with liquid dish detergent and water solution (see photo 68).

photo 68

3. Adjust a rental binding to one of the five boots, and an indicator value of 5 (indicator value of 2 for junior).
4. Condition the boot/binding system by releasing it in all directions.
5. Perform three TWIST release tests in each direction and record the middle quantitative value.
6. Test the other four boots using the same procedure (steps # 3-5).
7. **Reject any boot with a clockwise and counter-clockwise TWIST test difference of more than 5 Nm.**
8. Choose the boot with the middle value. This is the TWIST REFERENCE BOOT.
9. Repeat the steps above to find the FORWARD LEAN REFERENCE BOOT by replacing the TWIST test in step # 5 with the FORWARD LEAN test.

PRE-SEASON BINDING PREPARATION

1. Visually inspect the bindings for the following:
   a. Screw tightness
   b. AFD condition
   c. Freely working brakes
   d. Read-able visual indicators
   e. Heelpiece can move in track
2. Adjust all bindings to the REFERENCE BOOT, and an indicator value of 5.
3. Lubricate all boot/binding interfaces with liquid dish detergent and water solution (see photo 68 above).
4. Place REFERENCE BOOT in binding.
5. Check the elastic travel by striking the boot toe with a sharp blow.
6. Check the travel of the heelpiece by moving the boot heel up 10 mm, seeing that it returns quickly.

PRE-SEASON BINDING INSPECTION AND TESTING

Refer to INSPECTION AND TESTING PROCEDURES (page 42) for more details

Using the following steps, test ALL ADULT BINDINGS in your Rental inventory using your REFERENCE BOOT and an INDICATOR VALUE of 5.

IMPORTANT Notes:

- **Do not clamp the ski when doing twist tests with a Vermont Calibrator**
- **Hand position on clockwise and counter-clockwise twist tests is CRITICAL** (see photos 64 and 65)

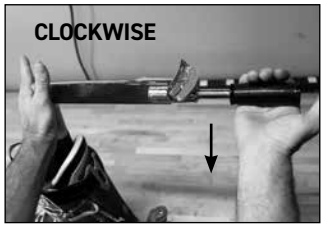


photo 64

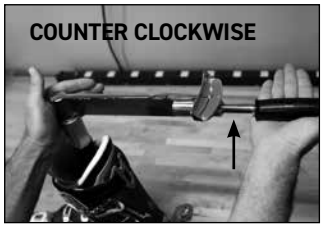


photo 65

1. Perform three TWIST tests in each direction and record the middle quantitative value.
   a. Set the ski aside if that value is not 43 Nm – 58 Nm.
2. Perform three FORWARD LEAN tests and record the middle quantitative value.
   a. Set the ski aside if that value is not 165 Nm – 229 Nm.

Using the following steps, test ALL JUNIOR BINDINGS in your Rental inventory using a REFERENCE BOOT with a sole length of approx. 260 mm and an INDICATOR VALUE of 2:

1. Perform three TWIST tests in each direction and record the middle quantitative value.
   a. Set the ski aside if that value is not 17 Nm – 23 Nm.
   b. **If a larger boot with a sole 271 mm -290 mm is used, set binding to an INDICATOR VALUE of 3; and use 27 Nm – 37 Nm TWIST reference.**
2. Perform three FORWARD LEAN tests and record the middle quantitative value.
   a. Set the ski aside if that value is not 64 Nm – 87 Nm.
   b. **If a larger boot with a sole 271 mm -290 mm is used, set binding to an INDICATOR VALUE of 3; and use 102 Nm – 141 Nm FORWARD LEAN reference.**

Notes:

- **If many ADULT or JUNIOR bindings are outside of the tolerance, select another REFERENCE BOOT**
- **Re-inspect the binding adjustments and retest if changes are made**
- **Corrections to the visual indicator are allowed and should be notated on the ski and maintenance record**

PRE-SEASON BOOT INSPECTION

1. Randomly select any two skis with bindings that have passed the BINDING INSPECTION
2. Clean the bindings with a mild detergent and water.
3. Lubricate all boot/binding interfaces with liquid dish detergent and water solution (photo 68, page 42).
4. Put REFERENCE BOOT into each binding and adjust the bindings to the same Release Torque value (example: set both bindings with a testing device so they both release at 50 Nm of torque on the testing device).
5. Clean the detergent from one binding.
6. Test the boot in the clean binding, then the lubricated binding. TWIST test should be performed clockwise only.
7. Record all results. Do not use a boot with a difference of more than 20%.*

SAMPLE BOOTS

1. For boots that have not been inspected or are NEW to inventory: take a single boot from each cell (a cell is make, model, and shell size).
2. For used boots: take a 10% sampling at random, using a selection of sizes.

***Note: To determine 20%, multiply the clean value by .80. The boot passes inspection if the lubricated value is greater than or equal to that value.**

If the resulting value is greater than 20%, 16 single boots in that cell should be inspected.

1. **Take 16 boots in the cell and clean if necessary.**
2. **First test the boot in the clean binding, then in the lubricated binding.**
3. **Record all results.**
4. **Retest or reject boots that are greater than 20%.**

Note: Upon completion of the pre-season inspection, clean the dish detergent from the equipment and lubricate the binding with Rossignol grease or equivalent.

IN-SEASON SYSTEM INSPECTION

The following instructions should be used when the rental boot manufacturer does not give instructions for boot inspection.

1. Boot and binding random sampling can be done at the same time.
2. Sampling size is 5% of the inventory.
3. Test only one ski from each pair.
4. Any random technique that allows any boot or binding the same chance of being selected as any other is acceptable; see example below:
   a. From the day of the sample, choose every tenth ticket.
   b. Assemble a boot and binding from each pair.
   c. Determine the Skier Code from the skier information.
   d. Check elastic travel.
   e. Test the boot in TWIST (one direction); then FORWARD LEAN.
   f. Compare test results to the chart on page 49.

Example: From the skier's personal information, you determine they are a Skier Code 'E'.

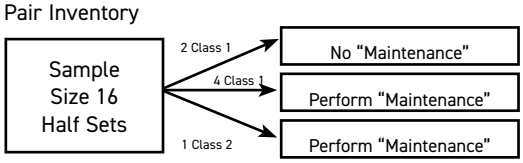
If the TWIST test results are:

- 17 Nm – 23 Nm; **Indicate Pass**
- 14 Nm – 17 Nm or 23 Nm – 27 Nm; **Indicate Class 1**
- < 14 Nm or > 27 Nm; **Indicate Class 2**

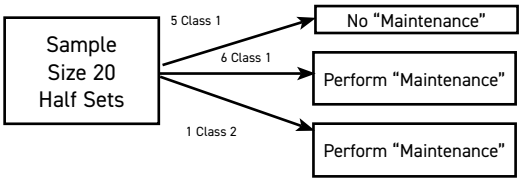
Take half your sample in equipment going out and half as the equipment is returned. Use this also as an opportunity to check on your technicians rental work.

Maintenance Decision Trees

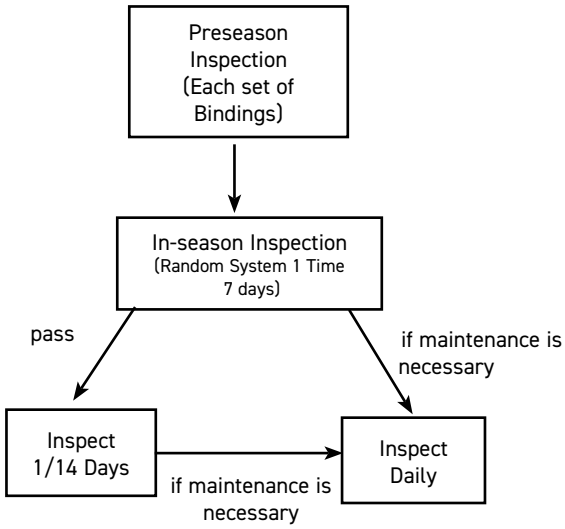
Less than 200 Pair Inventory



More than 200 Pair Inventory



Inspection Schedule



SAMPLE EVALUATION

Note the number of Class 1 and Class 2 results.

- If the sample consisted of MORE than 20% Class 1 results
- If the sample had any Class 2 results

If the sample consisted of less than 20% Class 1 results and had NO Class 2 results, less sampling is required.

Maintenance would be performed if the sample had more than the allowed results. Maintenance would consist of identifying and correcting whatever caused the Class 1 or Class 2 results.

Visual inspection and correction of issues in the inventory would follow. This would require that the sampling procedure be repeated each day until two consecutive samples passed, at which point sampling would be once a week.

DOCUMENTATION

Service logs should be kept on all equipment for AT LEAST the statute of limitations. Service logs should include: description of service, date of service, and initials of technician performing the service.

INCOMPLETE RENTAL SYSTEMS

- For customers that bring in their own skis/bindings, but rent your boots: perform a complete system inspection with a testing device on the equipment, every time
- For those customers who bring their own boots, but rent your skis/bindings, do a visual BOOT INSPECTION, (see page 6)

If the customer's boot passes the visual boot inspection:

1. Lubricate all boot/binding interfaces with silicone or equivalent (Do not use WD-40).
2. Adjust the binding to the boot.
3. Adjust the Visual Indicator Settings based on the physical characteristics of the rental customer (see pages 47-49).
4. Notify the customer that a full test is available if desired.
5. Dispatch the rental system to the customer (see DISPATCH, page 39).

Note:

- After a minimal amount of use, boot soles may not exactly meet all dimensional requirements of the ISO standard, but this may or may not affect the performance of the boot/binding system
- As technicians become more experienced with the use of testing devices they will know how much wear will adversely affect the performance of the system
- When in doubt, perform a Clean vs. Lubricated Test, (see page 45)

INCOMPLETE RENTAL SYSTEMS SAMPLE

1. Take a 5% sample of incomplete systems once a week.
2. Determine the appropriate number of units to sample (5% of incomplete rental units.)
3. Choose a random sample technique. (Example: every 20th incomplete unit to be returned will be sampled.)
4. As equipment is returned (every 20th one), or any convenient time, put the customer's boot into the binding and check fitting adjustments.

SAMPLE PREPARATION

1. Clean all boot and binding interfaces with mild detergent and water.
2. Move boot-toe off-center 10 mm horizontally, confirming that it returns to center quickly.
3. Move boot-heel 10 mm vertically, confirming that it returns to center quickly.
4. Perform TWIST and FORWARD LEAN tests (see page 42).
5. Compare the measured results to the appropriate inspection range, according to the sample customer's information.

Take samples daily if more than 20% Class 1 results occur within any sample.

> MAINTENANCE AND TROUBLESHOOTING PROCEDURES

TROUBLE SHOOTING & CORRECTIVE ACTION

The ability to correctly identify the cause of a functional problem is extremely helpful for quick binding maintenance. Careful observation of repeated cause-and-effect situations may help initiate a specific form of preventative maintenance.

For example: If a Class 1 result is caused by only a worn or damaged AFD, then maintenance of the remaining full sets pertains to AFD inspection and replacement only. Systems may have multiple issues; therefore troubleshooting requires careful observation for multiple problems, corrective action, and determination if the problem has been solved. With experience these types of can be resolved rapidly.

CLEAN VS. LUBRICATED TEST: RETAIL & RENTAL

This diagnostic test determines if a boot is compatible with the binding as a system:

1. Inspect for hard shell material by dragging your fingernail across the shell.
   a. Boot shells with a milky look that can be permanently indented with a fingernail are NOT acceptable.
   b. Boot shells that can be indented, or are questionable should proceed with the Clean Vs. Lubricated Test below:
2. Perform a TWIST test in each direction and record results (see page 48).
3. Lubricate boot/binding interface with thin film of Rossignol binding grease or equivalent.
4. Repeat TWIST test in each direction and record results.
5. Compare the results between the clean and lubricated tests.
   a. If the difference is more than 20% the boots should not be used with that binding (example: if clean test equals 20 Nm, and lubricated test equals 15 Nm, the difference is 25% and the boot cannot be used with that binding).

Soles may appear to be clean. The clean vs. lubricated test shows the affects of contamination and/or soft shell materials. Cleaning boot soles may resolve the issue.

MAINTENANCE: BINDING LUBRICATION

To enhance the longevity of Rossignol Group bindings, lubricate the toepiece and heelpiece at the beginning of each ski season by following the steps below:

1. Adjust the binding indicator setting until the toe wings can be pushed to one side.
2. Push toe wings to one side and insert a SMALL amount of Rossignol binding grease (or equivalent) in the channel between the wings and the housing.
3. Push the wings in the opposite direction and repeat for the other side.
4. Push the wings off center several times in both directions of twist.
5. Wipe off any excess lubrication on the outside of binding.
6. Remove the heelpiece from the heel track.
7. Apply a SMALL amount of Rossignol binding grease (or equivalent) inside the channels of the heel track.
8. Re-install the heelpiece and confirm forward pressure is set correctly (page 14-15 and/or page 35).

MAINTENANCE: END-OF-SEASON – RENTAL

Rental equipment needs special care at the end of the season. Repairs have to be made and equipment should be prepared for storage following the steps below:

1. Reduce all indicator settings to the binding minimum.
2. Close all heelpieces.
3. Check for play between screws and components.
4. Check that brakes operate freely and correctly.
5. Clean and lubricate the boot/binding interfaces, including Teflon AFD's and AFD Gliders (mechanical).
6. Replace worn or damaged AFD's (see page 61).
7. Dismantle the toe and heel sections on Speedset (EPR), Quickset, Demo^2 models
   a. Clean the toe and heel tracks with a damp cloth. Note: Never clean bindings with solvents, hot water, or pressure wash.
   b. Lubricate toe and heel tracks with Rossignol binding grease and reassemble.
8. Always store equipment in a dry place.
9. We recommend cleaning and lubricating rental bindings at least two times per season.

TROUBLESHOOTING: BINDING TOE WINGS

Dual Action/Full Drive toepiece's allow the toe wings to rotate 180° (photo 38). This will only happen during a backward twisting fall. To return toe wings to the correct position:

1. Make note of the binding's current indicator setting.
2. Using a # 3 Pozidrive screwdriver, turn the indicator setting to its lowest value (photo 70).
3. By hand, turn toe wings 180° and return to the correct position (photo 71).
4. Readjust the toepiece to its original indicator setting (photo 72).
5. Test system (see Adjusting and Testing Procedures, pages 40-44).

photo 70

photo 71

photo 72

Display the most current Release Preference poster in your shop and direct the skier to use it. This is an important part of the system adjustment process and makes the skier an active participant in the adjustment process.

Please note:

- ***Release Preference is NOT the same as Skier Ability***
- ***Determining Release Preference is the skier's responsibility***

Release Preference

DETERMINING YOUR RELEASE PREFERENCE IS YOUR RESPONSIBILITY

Your Release Preference, height, weight, age, and boot sole length are used by the shop technician to determine the release/retention settings for your bindings. Consult these descriptions to select your Release Preference. Be sure to provide accurate information. Errors may increase your risk of injury.

TYPE I

ENTRY-LEVEL SKIERS WHO ARE UNCERTAIN OF THEIR PREFERENCE

Entry-level skiers and skiers who designate themselves as Type I receive **lower than average ski binding release settings.** This corresponds to easier ski binding release in a fall.

SKIERS NOT CLASSIFIED AS TYPE I OR TYPE III.

TYPE II

MOST SKIERS ARE SATISFIED WITH A TYPE II SETTING

Skiers who designate themselves as Type II receive average ski binding release settings appropriate for most recreational skiing.

TYPE III

SKIERS WHO DESIGNATE THEMSELVES AS A TYPE III RECEIVE HIGHER THAN AVERAGE RELEASE SETTINGS

This corresponds to decreased risk of inadvertent binding release and increased risk of non-release. This classification is not recommended for skiers 47 lbs. (21 kg) and under.

If from experience, you have been dissatisfied with the release/retention settings that result from your release preference, mention this to your binding technician.

> 2020/21 BINDING ADJUSTMENT

DETERMINING INDICATOR VALUE SETTINGS, INSPECTION RANGE AND IN-USE RANGE

Using the 2020/21 Rossignol Group Binding Adjustment Chart (page 49), follow the steps below to find the correct INDICATOR VALUE SETTING for each skier; and the correct INSPECTION RANGE and IN-USE RANGE referenced when testing boot/binding systems:

STEP ONE: WEIGHT AND HEIGHT

1. Find the skier's weight and height in the two left hand columns.
2. Move to the next column to the right to find the corresponding the Skier Code letter(s).
3. If the skier's weight and height generates two different Skier Codes, choose the one closest to the top of the chart (example: if Skier Code 'H' and 'I', use 'H').

STEP TWO: RELEASE PREFERENCE (see chart on page 47)

1. This chart applies to skier Type I.
2. For skier Type II, move down one row (ex: Skier Code 'H' becomes 'I').
3. For skier Type III, move down two rows (ex: Skier Code 'H' becomes 'J').
   Except for skiers less than 48lbs – move one row maximum.

STEP THREE: AGE OF SKIER

1. For skiers ages 50 and over, move up the chart one row (ex. Skier Code 'H' becomes 'G').
2. For skiers ages 9 and younger, move up the chart one row (ex. Skier Code 'F' becomes 'E').

STEP FOUR: BOOT SOLE LENGTH

1. Using the Skier Code and Boot Sole Length (mm) as references, determine the Indicator Value Indicator Setting.
   a. *Note:* if the corresponding box has no value, move across the row to nearest box with a value.

STEP FIVE: INSPECTION RANGE and IN-USE RANGE

1. Follow the designated Skier Code across the chart to the TORQUE RANGE columns.
2. The number in each TORQUE RANGE column, directly across from the designated Skier Code is the REFERENCE TORQUE.
   a. The REFERENCE TORQUE is not a target value, it is only a reference point for determining the INSPECTION RANGE and IN-USE RANGE.
3. The INSPECTION RANGE is designated by the numbers directly above and below the REFERENCE TORQUE (see example below).
4. The IN-USE RANGE is designated by the numbers two rows above and below the REFERENCE TORQUE (see example below).

EXAMPLE:

- Using Skier Code 'H' will give a REFERENCE TORQUE of 31 Nm (TWIST)
- The numbers above and below that REFERENCE TORQUE is the INSPECTION RANGE for TWIST: 27 – 37 Nm
- The numbers two rows above and below the REFERENCE TORQUE is the IN-USE RANGE for TWIST: 23-43 Nm

**Reference to Release Preference System in the Rossignol Group Technical Manual.*

- **Do not use any other chart to adjust Rossignol Group bindings. This chart is effective July 2020.**
- Only use the Rossignol Group's most current indicator setting chart (as shown in this year's Manual).
- This binding adjustment chart is for the setting and inspection of ski equipment to be dispatched to the skier.
- The information contained in this chart is not appropriate for post-accident evaluation, as the acceptable range of performance for systems after they have put into use is broader than the tolerances that are expected of systems on the workbench.
- Follow the instructions in the Discretionary Setting Section (page 50) of the Rossignol Group Manual for those skier's who have special concerns or those who are not satisfied by the setting generated by this chart.

NOTE: The initial indicator settings found in this table are only the starting point in the boot/binding system setting process. The initial values may need to be modified to achieve the correct measured release values.

Weight (lbs)	Height (ft'in")	SKIER CODE	INDICATOR SETTING sole length (mm) 1 ≤ 230	2 231-250	3 251-270	4 271-290	5 291-310	6 311-330	7 331-350	8 ≥ 351	SKIER CODE	TORQUE RANGE Twist (Nm.)	Lean (Nm.)
												5	18
22-29		A	.75	.75	.75						A	8	29
30-38		B	1	.75	.75	.75					B	11	40
39-47		C	1.5	1.25	1.25	1					C	14	52
48-56		D	2	1.75	1.5	1.5	1.25				D	17	64
57-66		E	2.5	2.25	2	1.75	1.5	1.5			E	20	75
67-78		F	3	2.75	2.5	2.25	2	1.75	1.75		F	23	87
79-91		G		3.5	3	2.75	2.5	2.25	2		G	27	102
92-107	≤4'10"	H			3.5	3	3	2.75	2.5		H	31	120
108-125	4'11"- 5'1"	I			4.5	4	3.5	3.5	3		I	37	141
126-147	5'2"- 5'5"	J			5.5	5	4.5	4	3.5	3	J	43	165
148-174	5'6"- 5'10"	K			6.5	6	5.5	5	4.5	4	K	50	194
175-209	5'11"- 6'4"	L			7.5	7	6.5	6	5.5	5	L	58	229
≥ 210	≥6'5"	M				8.5	8	7	6.5	6	M	67	271
		N				10	9.5	8.5	8	7.5	N	78	320
		O				11.5	11	10	9.5	9	O	91	380
		P						12	11	10.5	P	105	452
												121	520
												137	588

Skiers less than 48lbs. MAXIMUM INCREASE ONE ROW

Note 1: For skiers 29lbs and under, no further correction is appropriate.
Note 2: For skiers 38lbs and under, Skier Type (-I) is inappropriate.

LOOK ROSSIGNOL

THIS CHART IS EFFECTIVE JULY 2020.

> DISCRETIONARY INDICATOR SETTINGS

If a skier has special concerns, or has been dissatisfied with the indicator settings resulting from normal Release Preference, they may choose to select a higher or lower Release Preference (Skier Type - I; or Skier Type III +).

They may also select different Release Preference designations for the toepiece (TWIST) and heelpiece (FORWARD LEAN). **In this instance, skiers who request a lower setting will normally have only the toepiece set lower. Skiers who request a higher setting will normally have only the heelpiece set higher.**

RELEASE PREFERENCE (- I)

Skier Type (- I) is for skiers who desire lower indicator settings than Skier Type I, and will further increase the risk of inadvertent binding release in order to gain increased release-ability in the instance of a fall.

This will result in different settings for the toe and heel. The toe setting will be adjusted lower than the heel setting. To calculate the lower setting, find the initial indicator setting then decrease the Release Preference by moving UP the chart one setting.

Document the two Release Preferences, two Skier Codes, and two Indicator Settings on the work shop/rental ticket; example below:

Skier Code: (J/K)

Skier Type: (- I / I)

RELEASE PREFERENCE (III +)

Release Preference (III +) is for skiers who desire higher indicator settings than Skier Type III, and will further decrease release-ability in order to gain decreased risk of inadvertent release.

This will result in different settings for the toe and heel. The heel setting will be adjusted higher than the toe setting. To calculate the higher setting, find the initial indicator setting then increase the Release Preference by moving DOWN the chart one setting.

Document the two Release Preferences, two Skier Codes, and two Indicator Settings on the work shop/rental ticket; example below:

Skier Code: (J/K)

Release Preference: (III / III +)

The indicator settings used to set your equipment comply with applicable International Standards, including: ASTM F939; ASTM F1063; ISO 8061; ISO 11088.

These standards were developed by a consensus of industry representatives, safety organizations, consumer groups, government agencies, and independent scientists, and are believed to represent an effective compromise between the release and retention needs of recreational skiers. Adhering to these procedures will reduce the risk of injuries resulting from improper release selection, but skiing involves many risks which are not related to binding retention and release. Even a properly adjusted binding cannot release under all injury-producing loads or retain the boot during all skiing maneuvers.

Note: Skiing at higher settings increases retention, but reduces the chances of release. Skier using higher release settings must acknowledge and accept this increased risk.

Note: The Rossignol Group Release Adjustment chart conforms to International Standards ASTM F-939 and ISO 8061. Other settings based on ASTM F-939 and ISO 8061 are also acceptable.

If based on further skiing, it is believed that higher settings are needed; the settings may be increased as long as release is possible (see Self-Release Procedure, below).

SELF-RELEASE PROCEDURE

Follow the procedure below with the skier's boot fully buckled (as it is during skiing) and engaged in the ski binding.

1. Setting the Heelpiece:
   a. Have the skier stand on one foot.
   b. **The ski should not be restrained.**
   c. Instruct the skier to release the heelpiece by bending their lower leg forward. (Move knee forward and down, toward the forebody of the ski). **Do not lunge forward with the opposite leg. This will cause undesirable upward pulling on the Achilles tendon.**
   d. Readjust the setting to the skier's comfort threshold.
2. Setting the Toepiece:
   a. Have the skier place the ski on its inside edge, by rolling the lower leg inward.
   b. Then slowly twist the foot inward. **Rapid twisting should be avoided.**
   c. Readjust the setting to the skier's comfort threshold.
3. **Document on the work ticket the final setting and have the skier initial the form.**

INFORMATION FOR SKIERS REQUESTING DISCRETIONARY SETTINGS

1. Your normal indicator settings comply with ASTM standards. Although these guidelines may be inappropriate for some types of competitive skiing or competition training, they are believed to provide an effective compromise between the release and retention needs of most recreational skiers.

2. Adhering to these guidelines may help to reduce the risk of injuries resulting from improper indicator setting selection. However, skiing involves inherent risks. Injury can result from simply falling down, impact with an object, or from many other actions. Many injuries are unrelated to the function of the release system. Furthermore, even a properly adjusted ski/binding/boot system cannot protect the skier in all situations.

3. Difficulties with release or retention may be unrelated to indicator settings. They can result from your skiing style, the incompatibility of your boots and bindings, wear, damage, or contamination of the release system. Be sure to describe your circumstances to the shop technician and to authorize recommended inspections and repairs before proceeding.

If you have been dissatisfied with the indicator settings that result from your normal release preference , you may wish to consider changing your release preference, designating skier release preferences that are different for twist and forward lean, or request discretionary indicator settings that are higher or lower than the normal range.

Lower settings correspond to an increase in the risk of inadvertent binding release in order to gain increased releasability in a fall.

Higher settings correspond to a decrease in releasability in a fall in order to gain a decreased risk of inadvertent binding release.

Although the shop technician may help you to record your choice on the appropriate form, the final decision on your indicator settings is the skiers'.

> DOCUMENTATION

RECORD REQUIREMENTS

It is required to record and save the following information for each binding service. Retain this information for five years or the statute of limitations in your state; whichever is longer. *Note: for children the statute of limitations begins when the skier reaches the age of 18.*

- Name
- Address
- Weight
- Height
- Release Preference (I, II, III) (-I, III+)
- Age
- Boot sole type (Alpine, WTR, AT, GRIPWALK® other)
- Boot sole length
- Boot brand, model
- Ski brand, model and serial #
- Indicator setting, skier code
- Indicate pass, inside or outside the In-Use range
- Date of service
- Identification of technician involved with service
- Signature of customer, agent, parent or legal guardian

The skier or agent should sign at the end of the transaction after all necessary information is recorded. Some shops may require additional signatures.

Note: The signature of a minor is acceptable if the minor can understand the release preference system and the release language on the work ticket. It is best to get the signature of both the minor and the parent or guardian when possible.
The signature of a person other than the skier noted on the ticket is acceptable if it is noted on the form that the person is acting as an agent and will communicate all information and warnings to the skier. The skier should be shown what the agent will be signing when the agent picks up the equipment.

After completion of the service, documentation, and discussion of the risks associated with the sport, give the skier a copy of the work ticket and the instructions that are packaged with the binding.

THE SKIER'S SIGNATURE AND INDEMNIFICATION

The skier's signature on a liability release is required in order to qualify for The Rossignol Group Indemnification program. Rossignol and Look dealers are not otherwise required to use liability releases, but those who do not use liability releases will not qualify for indemnification in the event of a legal claim. The full requirements for indemnification are stated in The Rossignol Group Alpine Ski Binding Indemnification Agreement.

Dealers who use liability releases should be sure to advise customers that they are signing a liability release. Some customers may object to signing a liability release. How to deal with such customers should be a consistent shop policy. It may be advisable to remind customers that if they do not wish to use services of your shop, they are free to have their equipment installed or maintained by another technician of their choice, although it is highly recommended that a technician who has completed a Rossignol Group technical review be used.

Dealers who choose not to use liability release agreements should provide all appropriate warnings to customers regarding the inherent risks of skiing and the limitations of the boot/binding system to protect them from injury.

Efforts should be made to segregate the sale and service portions of any transaction. It should be made clear that the signing of the liability release only pertains to the service aspect of the transaction and not the sale of the equipment.

When a customer or agent picks up ski equipment, be sure to:

1. **Give the in-box instructions.**
2. **Give a copy of the completed and signed work ticket.**
3. **Demonstrate how the binding works and discuss the warnings and instructions on page 53.**

> SKIER INSTRUCTIONS

We want people to enjoy skiing. Therefore, it is important that they fully understand the capabilities of their equipment and specifically, how to use and maintain their bindings. Go over the following information with every customer of Rossignol Group bindings:

1. A NOTE ON SKIING
   Skiing, like all sports, involves a certain degree of risk which must be recognized and accepted.

2. THE ALPINE BINDING IS:
   Designed to release the boot from the ski in twist directions, forward and backward direction and to retain the boot to the ski during controlled skiing maneuvers.

3. THE BINDING WILL NOT:
   Release under all injury-producing loads.

4. A NOTE ON CLEANING:
   Dirt and other foreign matter that is found in snow will accumulate in the binding and must be removed.

At the start of each ski season and every 30 skiing days thereafter (whichever comes first), the skier should go to a Rossignol or Look dealer for a boot/binding system inspection. If anything appears to be wrong at any time, the skier should return to a Rossignol or Look dealer for service.

A clean, undamaged AFD is critical to the function of the ski-boot-binding system. It should be inspected visually on a daily basis. Skiers should routinely check for the looseness of the binding, mounting screws, binding components and the boot/binding connection. Also advise the skier to release the boot from the ski in the twist and forward directions every ski day. This exercises the working mechanism. *(Note: this can be done by pushing each wing open and by opening and closing the heel by hand).*

5. ADVISE SKIERS:
   To use protective covers when transporting their equipment. Advise skiers to store skis in a warm and dry area after skiing so that snow and ice melt rather than become refrozen in the working mechanism.

6. THE ALPINE BOOT:
   Instruct skier to keep all buckles secured during skiing. Significant wear of the boot sole will have an adverse effect on the function of the binding.

7. TELL THE SKIER:
   a. To remove dirt, snow and ice from the boot sole. Place the toe of the boot in the toe piece, push the ski forward to ensure that the boot is in the toe cup and step in at the heel.
   b. To get out, press down on the heel cap with a ski pole and step out.

8. INDICATOR SETTING ADJUSTMENTS:
   Show the skier their personal indicator settings on the bindings and have them sign your work order form indicating that they have acknowledged these specific settings.

Advise skiers that they should never change these settings without the advice of a Rossignol or Look dealer. They should be warned of the consequences of making an over correction:

- Lowering the indicated setting too much may cause inadvertent release.
- Increasing the indicated setting too much may prevent release. Skiers should therefore go to a Rossignol or Look dealer for the correct system adjustment.

> POST ACCIDENT REPORT

Considering the litigious nature of our society, it is best to be cautious when dealing with a reported accident or injury. When an injury has been reported or if someone makes comments about a legal claim or suit, you should observe, listen and gather information. Be polite and sympathetic, but do not apologize, do not argue, and do not get involved in confrontations or discussions of blame, fault, or "who will pay for this." If a legal claim is presented, it will be turned over to the lawyers and claims adjusters, who will decide what to do after completing their investigations. Your job is to gather information and to avoid jumping to conclusions or making unauthorized statements. Even well-meaning comments about legal issues can lead to misunderstandings, and must be avoided. Nothing you say is "off the record" or "just among friends." If you are pressed to make a statement, simply say that you are not authorized to speak about the issue and turn the matter over to your manager or legal counsel.

While the information is fresh and the customer (or their friends or family) are in your shop, take the opportunity to find out the basic information (i.e., injured person's name, address, witness names and addresses, type of injury, what they saw, where it happened, etc.). If you have the equipment involved in the incident, testing should be part of the investigation. Record actual test results, not pass/fail. Perform forward bending tests first. We recommend that an NSAA post-accident inspection form be used.

Fill out the report accurately and completely, without any editorial comment. Use quotes if you are taking down exactly what someone has told you. If part of the information called for in the report is unavailable, enter "not available" or another reason why the information has not been written down. This document may become part of a legal case years later, when your personal recollection is not as strong, so it is important to get the information accurately and completely while it is fresh.

Remember:
You are doing a "system" inspection. Results of the inspection are expressed as inside the "Inspection Range", "inside the In Use Range" or "outside the In Use Range". Statements such as "the binding failed" would most likely be inaccurate and at least, unsubstantiated. To make any specific statement about the binding would require tests where the binding is isolated from the boot. Some of these tests to isolate parts of the binding require a laboratory test device using ASTM F-504 or ISO 9462 test method.

> WARRANTY

LIMITED WARRANTY

Rossignol Group Alpine Ski Bindings carry a "LIMITED WARRANTY" for one year from the date of purchase, two years if purchased as part of an integrated system with, or mounted on, a Rossignol or Dynastar ski.

The Rossignol Group acting as an agent for the manufacturer will repair or replace (at The Rossignol Group's option) the bindings, or any part, if the bindings are found to qualify for warranty. This warranty does not extend to damage resulting from misuse, neglect or abuse, normal wear and tear, accidents or to changes in exterior appearance or color.

TO THE FULLEST EXTENT ALLOWED BY LAW, THE ROSSIGNOL GROUP SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

ALL WARRANTIES OF ANY KIND ARE LIMITED IN DURATION TO A MAXIMUM OF TWO YEARS FOLLOWING THE ORIGINAL DATE OF RETAIL PURCHASE.

There are no other warranties, express or implied.

Please review the instruction manual for important information concerning safety, maintenance and use of your Rossignol Group bindings.

BINDING WARRANTY RETURNS

- Please make sure to send a copy of the testing results in specific values.
- Label toes and heels, noting which toes and heels were together tested as a system.
- Make every effort to follow the outlined Retail Inspection Procedures (page 40).
- Be sure, no matter what the boot type or condition:
  1. Test the ski-binding-boot system "as-is"
  2. Clean the boot sole and binding at the boot interface completely with soap and water. Be sure the soap is cleaned off.
  3. Lubricate the boot-binding interface with dish detergent and complete a test.
  4. Retain the results.
- Remember to send both binding sets, two toes and two heels.

WARRANTY PROCEDURE

THE ROSSIGNOL GROUP

Before submitting bindings for warranty, take every opportunity to utilize the troubleshooting procedures that are discussed in this manual. We have found that most bindings that are returned for calibration reasons pass when tested with a different boot.

Ship the entire pair of bindings in question together with a concise explanation of the problem.

All US Dealers should ship to:
The Rossignol Group Distribution Center
Attn: Warranty and Repair
267 North Depot Drive
Ogden, UT 84404

Shipments to Canada should be made to:
Groupe Rossignol Canada Inc.
Attn: Warranty and Repair
800 Georges-Cros
Granby, Quebec, Canada J2J 1N2

> FORMS

ROSSIGNOL GROUP WORK TICKET

(Item # RV8NR03)

ROSSIGNOL · DYNASTAR · LANGE · LOOK

1413 Center Drive • PO Box 981060 • Park City, UT 84098 • Tel: 435-252-3300 • Fax: 435-252-3301

TODAY'S DATE

____ / ____ / _____

TAKEN BY	DATE DUE

SKIER/RIDER INFORMATION (please print)

NAME LAST FIRST

STREET ADDRESS

CITY STATE ZIP

CELL PHONE

E-MAIL ADDRESS ☐ PLEASE DO NOT ADD ME TO YOUR E-MAIL LIST.

AGE	HEIGHT FT. IN.	WEIGHT LBS.

RELEASE PREFERENCE	RIDER	ANGLES
___ I II III ___	REG. ☐ GOOFY ☐	FRONT BACK

	SERIAL NUMBER	BRAND	MODEL	AMOUNT
SKIS SNOWBOARD ▶				$
BOOTS ▶	MODEL	SOLE LENGTH mm	SOLE ☐ ADULT ☐ CHILDREN	
	SOLE TYPE ☐ ALPINE ☐ WTR ☐ AT ☐ GRIPWALK™ ☐ OTHER			
BINDINGS ▶	BRAND	MODEL		
	SOLE TYPE ☐ ALPINE ☐ WTR ☐ AT ☐ GRIPWALK™ ☐ OTHER			
POLES ▶	BRAND	LENGTH		
HELMET /OTHER ▶	BRAND			
TOTAL EQUIPMENT			Ⓐ ▶	

WORK REQUESTED

SPECIAL INSTRUCTIONS

ESTIMATED COST: ACTUAL LABOR COST: Ⓑ ▶ $

SYSTEM INSPECTIONS SKIER CODE

	IN	OUT	N/A
VISUAL INSPECTION OF SYSTEM	☐	☐	☐
TEST FOR ELASTIC TRAVEL & RETURN	☐	☐	☐
TEST OF BOOT-BINDING COMPATIBILITY	☐	☐	☐
RELEASE VALUE WITHIN SPECIFIC RANGE	☐	☐	☐

SUB-TOTAL Ⓐ+Ⓑ	
TAX	
TOTAL	$
DEPOSIT	
BALANCE	$

☐ **WORK CANNOT BE PERFORMED OR COMPLETED DUE TO SYSTEM COMPONENTS THAT ARE OUT OF STANDARD OR OTHERWISE UNSUITABLE**

INITIAL SETTINGS ▶

FINAL INDICATOR SETTINGS ▼

	LEFT	RIGHT
TOE		
HEEL		

SPECIAL INSTRUCTIONS TO SKIER/RIDER

TECHNICIANS SIGNATURE

I HAVE READ AND UNDERSTAND THE TERMS ON THE BACK OF THIS RETAIL WORKSHOP FORM, INCLUDING THE RELEASE CLAUSES, AND I VOLUNTARILY AGREE TO THEM.

SKIER/RIDER **X**

IF SKIER/RIDER IS A MINOR, THE SIGNATURE OF PARENT, LEGAL GUARDIAN OR AGENT IS ALSO REQUIRED. (PLEASE CHECK ONE)

PARENT ☐ LEGAL GUARDIAN ☐ AGENT ☐

X

WORKSHOP (RETAIN FOR YOUR RECORDS)

Warning/Liability Release & Agreement Not to SUE

I have received the equipment listed on this agreement and have been instructed on its use. I verify that the personal information (height, weight, age, skier classification) on this ticket is correct. If at any time I feel the equipment is not functioning properly, I will stop using it and return it for inspection, repair or adjustments.

I understand and agree that skiing, snowboarding and other winter sports are HAZARDOUS activities, that INJURIES from various causes are an INHERENT RISK of participating in these activities, and that injuries to any or all parts of my body are a COMMON AND ORDINARY OCCURRENCE during these activities. I freely accept and ASSUME ALL RISKS OF INJURY OR DEATH that may occur while using this equipment.

ALPINE & GRIPWALK™ SYSTEMS: I have confirmed that the visual release indicators on the alpine ski bindings are the same as those designated on this ticket. I understand and agree that alpine ski/boot/binding systems CANNOT RELEASE OR RETAIN in all situations where release or retention may prevent injury, that they therefore CANNOT GUARANTEE MY SAFETY, and that undesired release or retention are inherent risks of skiing.

AT SKI/BINDING/BOOT: I have chosen to use Alpine Touring equipment (AT bindings and/or boots), because it provides functions not available with most Alpine equipment, but I understand and agree that AT ski/binding/boot will NOT provide the same release and retention performance as part of a ski/boot/binding system as standard Alpine ski/binding/boot.

SNOWBOARDS AND X-C: I understand that the binding systems on snowboards and cross-country skis are NOT INTENDED TO RELEASE in a fall or upon impact.

Be sure to complete boot sole and binding types.

HELMETS: Snowsport helmets, when sized and fitted properly, can reduce the risk of injuries to those parts of the head that are covered by the helmet, but no helmet can protect the wearer against all foreseeable impacts or injuries. Skiing and snowboarding will expose the user to forces that exceed the limits of protection provided by any helmet, and serious injury or death can result from both low and high-energy impacts, even when a helmet is worn. Never use a helmet that has sustained a significant impact or that appears to be damaged, because damage may compromise the effectiveness of that helmet. Helmets must be properly fitted to each user, and I agree that this helmet has been properly fitted by the provider. I warrant that the helmet is comfortably snug and that when I fasten the chin strap and shake my head there is no significant movement of the helmet. I agree that if the helmet is damaged or involved in any kind of accident, I will stop using it immediately, return it to the shop and report the accident or damage.

To the fullest extent allowed by law, I agree to RELEASE FROM LIABILITY, and to INDEMNIFY AND HOLD HARMLESS The Rossignol Group, and all other manufacturers and distributors of the equipment provided to me under this agreement, any involved winter sport area, shop or service technician, and their owners, agents, employers and employees for any injuries, damages or death related to the use of this equipment. I FURTHER AGREE NOT TO MAKE A CLAIM OR SUE FOR INJURIES OR DAMAGES RELATING TO THE USE OF THIS EQUIPMENT, whether such claim is based on NEGLIGENCE, breach of warranty, product defect or any other theory. I accept this equipment AS IS with no warranties, express or implied. These waivers and obligations extend to my heirs and assigns.

THIS DOCUMENT IS A LEGALLY BINDING CONTRACT which supersedes any other agreements or representations by or between the parties. It shall be interpreted to provide as broad and inclusive a release of liability as is legally possible, but is not intended to assert any claims or defenses which are prohibited by law. If any part of this agreement is deemed void or unenforceable, the remainder shall be given full force and effect. The specific rights of the parties under this contract may vary from state to state.

If this equipment is to be used by someone other than me, I certify that I am signing it as agent, parent or legal guardian for the user and that I will provide this form and all warnings and information to the user.

Signature Date

Parent, Legal Guardian or Agent

ROSSIGNOL GROUP RENTAL FORM

(Item # RV8NR02)

GROUPE ROSSIGNOL

TODAY'S DATE ____ / ____ / _____

ROSSIGNOL DYNASTAR LANGE LOOK

RENTAL AGREEMENT

PERSON RESPONSIBLE FOR EQUIPMENT (please print)

NAME LAST FIRST

HOME ADDRESS STREET

CITY STATE ZIP

CELL PHONE

E-MAIL ADDRESS ☐ PLEASE DO NOT ADD ME TO YOUR E-MAIL LIST.

SKIER / RIDER 1

SKIER/RIDER NAME *(please print)*

RELEASE PREFERENCE ___ I II III ___ RIDER REG. GOOFY | AGE | HEIGHT FT. IN. | WEIGHT LBS.

BOOTS MODEL | SOLE LENGTH mm. | SKIER CODE | SOLE TYPE ☐ ADULT ☐ CHILDREN ☐ ALPINE ☐ AT ☐ WTR ☐ OTHER

BINDING TYPE ☐ ALPINE ☐ DUAL/WTR ☐ AT

SKIS SNOWBOARD | BOOTS | **TOTAL 1** $

TECH SIGNATURE | POLES | **CASH CHARGE**

TOE HEEL | HELMET / OTHER | **DEPOSIT** $

TOE HEEL

I HAVE READ, UNDERSTAND AND AGREE TO THE WARNING, RELEASE AND AGREEMENT.

SKIER/RIDER SIGNATURE (Parent or Guardian) **DATE**

SKIER / RIDER 2

SKIER/RIDER NAME *(please print)*

RELEASE PREFERENCE ___ I II III ___ RIDER REG. GOOFY | AGE | HEIGHT FT. IN. | WEIGHT LBS.

BOOTS MODEL | SOLE LENGTH mm. | SKIER CODE | SOLE TYPE ☐ ADULT ☐ CHILDREN ☐ ALPINE ☐ AT ☐ WTR ☐ OTHER

BINDING TYPE ☐ ALPINE ☐ DUAL/WTR ☐ AT

SKIS SNOWBOARD | BOOTS | **TOTAL 1** $

TECH SIGNATURE | POLES | **CASH CHARGE**

TOE HEEL | HELMET / OTHER | **DEPOSIT** $

TOE HEEL

I HAVE READ, UNDERSTAND AND AGREE TO THE WARNING, RELEASE AND AGREEMENT.

SKIER/RIDER SIGNATURE (Parent or Guardian) **DATE**

DATE OUT ____ / ____ / _____ DATE DUE ____ / ____ / _____ TOTAL RENTAL DAYS _____ $

RENTAL / 6-19

Warning/Liability Release & Agreement Not to SUE

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SNOWBOARDS AND X-C: I understand that the binding systems on snowboards and cross-country skis are NOT INTENDED TO RELEASE in a fall or upon impact.

HELMETS: Snowsport helmets, when sized and fitted properly, can reduce the risk of injuries to those parts of the head that are covered by the helmet, but no helmet can protect the wearer against all foreseeable impacts or injuries. Skiing and snowboarding will expose the user to forces that exceed the limits of protection provided by any helmet, and serious injury or death can result from both low and high-energy impacts, even when a helmet is worn. Never use a helmet that has sustained a significant impact or that appears to be damaged, because damage may compromise the effectiveness of that helmet. Helmets must be properly fitted to each user, and I agree that this helmet has been properly fitted by the provider. I warrant that the helmet is comfortably snug and that when I fasten the chin strap and shake my head there is no significant movement of the helmet. I agree that if the helmet is damaged or involved in any kind of accident, I will stop using it immediately, return it to the shop and report the accident or damage.

To the fullest extent allowed by law, I agree to RELEASE FROM LIABILITY, and to INDEMNIFY AND HOLD HARMLESS The Rossignol Group, and all other manufacturers and distributors of the equipment provided to me under this agreement, any involved winter sport area, shop or service technician, and their owners, agents, employers and employees for any injuries, damages or death related to the use of this equipment. I FURTHER AGREE NOT TO MAKE A CLAIM OR SUE FOR INJURIES OR DAMAGES RELATING TO THE USE OF THIS EQUIPMENT, whether such claim is based on NEGLIGENCE, breach of warranty, product defect or any other theory. I accept this equipment AS IS with no warranties, express or implied. These waivers and obligations extend to my heirs and assigns.

THIS DOCUMENT IS A LEGALLY BINDING CONTRACT which supersedes any other agreements or representations by or between the parties. It shall be interpreted to provide as broad and inclusive a release of liability as is legally possible, but is not intended to assert any claims or defenses which are prohibited by law. If any part of this agreement is deemed void or unenforceable, the remainder shall be given full force and effect. The specific rights of the parties under this contract may vary from state to state.

If this equipment is to be used by someone other than me, I certify that I am signing it as agent, parent or legal guardian for the user and that I will provide this form and all warnings and information to the user.

Ask your manager for the SHOP ID and PASSWORD, and complete your review online. http://techtraining.mountaincenter.com

Tech Name_____

E-mail Address

_____

Please print complete address

Shop Account Number _____
Shop Name_____

Shop Address_____

_____

Shop City_____State_____Zip_____

Date test taken_____

Retake:(circle) Yes No

Note: This is not a measure of your proficiency. It is meant to have you actively review the information that is in the Technical manual and/or was just communicated to you. A score of 100% should be easy to achieve. **It is unnecessary to complete the RENTAL Technical Review if you complete the Retail Technical review.**

To pass, 20 of 23 questions must be answered correctly. Questions 12 through 17 must be correctly answered.

Acknowledgment of a satisfactory completion will be sent to the shop.

Choose one correct answer to the following questions. You may circle the answers on the sheet.

1. Completing the Technical Review is one of the requirements of the Indemnification Program:
   A. True B. False

2. The Acknowledgment received after a technician has successfully completed the Technical Review is valid for:
   A. one year B. two seasons
   C. three seasons

3. What boot sole (s) are acceptable for use with SPX GW bindings:
   A. ISO 5355 Adult sole
   B. All ISO 9523 soles
   C. GRIPWALK® soles
   D. A & C

4. What boot sole(s) are acceptable for use with SPX 10 GW
   A. ISO 5355 and GW soles
   B. ISO 5355 Childrens sole only
   C. ISO 9523 soles
   D. Alpine Touring soles with Tech Fittings

5. If during the visual inspection, the boot is questionable, you should:
   A. Lubricate and dispatch
   B. Perform a clean verses lubricated test
   C. Mount, adjust and dispatch
   D. Replace the boot

6. When inspecting a brake on a mounted ski, be sure that:
   A. The brake completely extends
   B. Extends at least 30 mm below the base of the ski
   C. Works freely and easily
   D. All of the above

7. When installing the binding and your screwshooter is not set to 5 Nm of torque, you should:
   A. Use less pressure on the screwshooter
   B. Pull the trigger intermittently

8. After mounting the binding, observe the binding from the side and check:
   A. That the binding sits flush on the ski
   B. The correct drill dimension

9. The forward pressure of the Axial^3 and SPX binding is correct when:
   A. The yellow indicator fills half of the window.
   B. The yellow indicator fills the entire window.
   C. The yellow indicator does not fill the window at all.

10. Which boot soles are compatible with the Kid 4 and Comp J bindings?
   A. Adult sole only
   B. Children's soles only
   C. Adult and Children's soles

11. The Release Preferemce decision must be made by?
   A. The technician
   B. The skier's agent
   C. The skier

12. Skier weight is 150 lbs., height 4'9", skier type I , age 26 , boot sole length 280 mm.. The indicator value is:
   A. 2.75 B. 3 C. 3.5

13. Skier weight 38 lbs., height 3'0", skier type I, age 3, boot sole length 200 mm. The indicator value is:
   A. 1 B. .75

14. Skier weight is 172 lbs., height 5'7", skier type II, age 58, boot sole length 315 mm. The indicator value is:
   A. 4 B. 5 C. 6

15. Skier weight 45 lbs., height 4'0", skier type III, age 9, boot sole length 260 mm. The indicator value is:
   A. 2 B. 1.5 C. 1.25

(note: skiers < 48 lbs, max increase 1 row)

16. Skier weight 70 lbs., height 4'8", skier type III, age 9, boot sole length 282 mm. The indicator value is:
   A. 3 B. 2.75 C. 2.25

17. Skier weight 135 lbs., height 6'0", skier type III, age 18, boot sole length 351 mm. The indicator value is:
   A. 6.5 B. 5 C. 8

18. For use when testing; If the sole length is 323 mm. and the indicator value is 4., what is the Inspection Range in twist ?
   A. 39-47 Nm
   B. 31-58 Nm
   C. 37-50 Nm

19. For use when testing. If the sole length is 330 mm. and the Indicator value is 6., what is the Reference Torque in forward bending ?
   A. 165 Nm
   B. 229 Nm
   C. 194 Nm

20. For use when testing; If the sole length is 230 mm., and the indicator value is 2, what is the In Use Range in forward bending ?
   A. 40-87 Nm
   B. 42-62 Nm
   C. 29-75 Nm

21. Clean vs lubricated test
   A. Is a diagnostic test
   B. Determines the boot/binding compatibility
   C. Shows the effects of contamination of the boot sole
   D. All of the above

22. A complete test of a ski/binding/boot system is necessary:
   A. Only on used equipment
   B. Any time an adjustment is made to the system that may change the performance of the system

23. When a customer or agent picks up ski equipment, be sure to:
   A. Give the in-box instructions
   B. Give a copy of the completed and signed work ticket
   C. Demonstrate how the binding works and discuss warnings
   D. All of the above

You are encouraged to complete this review online at http://techtraining.mountaincenter.com.
If that is not possible, mail completed Technical Reviews to:

The technicians name will be registered in the Group Rossignol database or you will receive a request to resubmit another technical review.

The Mountain Center
PO Box 981060
1413 Center Drive
Park City, UT 84098
Fax: 435-252-3301

-OR-

Groupe Rossignol Canada
3700 St-Patrick, Suite 326
Montreal, Québec H4E 1A2
Fax: 514-933-3313

> GROUP ROSSIGNOL
20/21 RENTAL TECHNICAL REVIEW

Ask your manager for the SHOP ID and PASSWORD, and complete your review online. http://techtraining.mountaincenter.com

Tech Name_____

E-mail Address

_____

Please print complete address

Shop Account Number _____
Shop Name_____

Shop Address_____

_____

Shop City_____State_____Zip_____

Date test taken_____

Retake:(circle) Yes No

Note: This is not a measure of your proficiency. It is meant to have you actively review the information that is in the Tech manual and/or was just communicated to you. A score of 100 % is easy to achieve. To pass, 17 of 20 questions must be answered correctly. Question 8 through 18 must be correctly answered.

- This Rossignol Group Rental Review is intended for Rental technicians who determine indicator settings or dispatch rental equipment only.

Acknowledgement of a satisfactory completion will be sent to the shop.

- It is unnecessary to complete the RENTAL Technical Review if you completed the Retail Technical review.

Choose one correct answer to the following question. You may circle the answers on the sheet.

1. Which boot sole is compatible with the Kid 4 GW Rent Sys?
   A. Adult ISO 5355 only
   B. Childrens ISO 5355 only
   C. Adult and childrens 5355 and GW soles

2. Which boot sole is compatible with an NX Konnect AW & GW/Rent sys?
   A. Adult ISO 5355 and GW soles
   B. Children's ISO 5355 sole only
   C. Adult and Children's ISO 5355 sole

3. A low grade thermoplast (TP) boot can be identified by:
   A. A "milky" appearance
   B. The ability to permanently indent the material with your fingernail
   C. Failure of a clean versus lubricated test
   D. All of the above

4. If the boot fails the visual inspections, you should:
   A. Lubricate and dispatch
   B. Don't use the boot

5. When adjusting the forward pressure on a Look NX 12 Konect binding:
   A. The indicator is near the middle of the window.
   B. The indicator in back of heel piece should be just inside the housing.

6. The Release Preference decision should be made by?
   A. The technician
   B. The skier's agent
   C. The skier

7. Only use a Rossignol Group Binding Adjustment Chart dated July 2020.
   A. True B. False

8. Skier weight 146 lbs., height 5' 11", skier type II, age 22, boot sole length 352 mm. The indicator value is:
   A. 3 B. 4 C. 5

9. Skier weight 136 lbs., height 4' 9", skier type I, age 18, boot sole length 295 mm. The indicator value is:
   A. 2.5 B. 3 C. 3.5

10. Skier weight 150 lbs., height 6' 0" ,skier type II, age 52, boot sole length 320 mm. The indicator value is:
   A. 5 B. 6 C. 7

11. Skier weight 110 lbs., height 5' 2", skier type II, age 40, boot sole length 268 mm. The indicator value is:
   A. 5.5 B. 6 C. 6.5

12. Skier weight 32 lbs., height 3' 6", skier type I, age 3, boot sole length 230 mm. The indicator value is:
   A. 1 B. 1.5 C. .75

13. Skier weight 170 lbs., height 6' 0", skier type II, age 50, boot sole length 285 mm. The indicator value is:
   A. 5 B. 6 C. 7

14. Skier weight 45 lbs., height 4' 0", skier type III, age 9, boot sole length 265 mm. The indicator value is:
   A. 1.25 B. 1.5 C. 2

(note: skiers ≤ 48 lbs, max increase 1 row)

15. Skier weight 175 lbs., height 5'9", skier type II, age 28, boot sole length 285 mm. The indicator value is:
   A. 6
   B. 6.5
   C. 7

16. Skier weight 180 lbs., height 6' 5", skier type III, age 54, boot sole length 320 mm. The indicator value is:
   A. 7
   B. 8
   C. 8.5

17. Skier weight 58 lbs., height 3' 8", skier type III, age 9, boot sole length 265 mm. The indicator value is:
   A. 2.5
   B. 3
   C. 3.5

18. Skier weight 150 lbs., height 5' 4", skier type II, age 58, boot sole length 300 mm. The indicator value is:
   A. 5
   B. 4.5
   C. 4

19. The discretionary settings section of the manual deals with:
   A. Skiers with special concerns with normal settings.
   B. Skiers who request higher settings.
   C. A and B

20. When the customer is given the ski equipment, be sure to:
   A. Show the indicator value on the form and binding.
   B. Demonstrate how the binding works and discuss warnings
   C. Give a copy of the completed and signed rental ticket
   D. A , B, and C

You are encouraged to complete this review online at http://techtraining.mountaincenter.com.
If that is not possible, mail completed Technical Reviews to:

The technicians name will be registered in the Group Rossignol database or you will receive a request to resubmit another technical review.

The Mountain Center -OR-
PO Box 981060
1413 Center Drive
Park City, UT 84098
Fax: 435-252-3301

Groupe Rossignol Canada
3700 St-Patrick, Suite 326
Montreal, Québec H4E 1A2
Fax: 514-933-3313

> QUICK REFERENCE - PARTS LIST

To order, call:
435-252-3300 (US)
514-933-9971 (Canada)

BINDING MODEL		BRAKES			
LOOK (DYNASTAR)	**ROSSIGNOL**	**ITEM #**	**DESCRIPTION**	**QTY**	**PRICE**
SPX RACING (*all*)	AXIAL^3 WC & AXIAL^2 WC (*all*)	**FC9F014**	WC 80mm	1 pr	$35.00
PX RACING (*all*)	MAXFLEX 200/180/150/120	**FC9F016**	WC 120mm	1 pr	$35.00
Micro-Heel Brakes	SAS^2 200/150/140/120				
	FREESKI^2 120/140/150/180 TI				
IDENTIFY: Worm-drive screw forward pressure adjust, Brake screws into heeltrack					
SPX & PX (*not Racing*)	AXIAL^3 (*all-TPX incld'd*)	**FC9F011**	80mm (*standard*)	1 pr	$35.00
PX JIB (*all*)	AXIAL^2 (*all-TPI^2 incld'd*)	**FC9F013**	90mm (*medium*)	1 pr	$35.00
PX TEAM	SCRATCH 140/120/110	**FC9F010**	100mm (*wide*)	1 pr	$35.00
NX 12/ NX 11	SAS^2 100 & AXIUM/SAS 110	**FC9F012**	120mm (*XXL*)	1 pr	$35.00
PX FLUID (*all*)	AXIUM 120 (*TPI^2 incld'd*)				
NX 12 FLUID	SAPHIR 110 (*TPI^2 incld'd*)				
3 Piece Brakes	FREESKI 110				
	FREESKI^2 100/120 CMPST				
IDENTIFY: Flat-tab forward pressure adjust, Brake screws into heeltrack					
NOVA (*all*)	AXIUM/SAPHIR 100/95	**FCDF002**	B93mm	1 pr	$35.00
EXCLUSIVE (*all*)	SAS 100 / FREERIDE 100	**FC5F006**	B83mm	1 pr	$25.00
NX 10	AXIUM JR	**FC4F017**	B73mm	1 pr	$25.00
XTI, w/Star-Screw	SAS JR	**FC9F008**	AXM Shuttle	1 pr	$3.00
2 Piece Brakes	FREESKI 70/100				
NX11/10 FLUID	AXIUM 110/100 TPI^2	**FC7F028**	2P TPI2 B83	1 pr	$15.00
EXCLUSIVE FLUID (*all*)	SAPHIR 90 TPI^2	**FC9F009**	2P TPI2 Shuttle	1 pr	$3.00
2 Piece Fluid/TPI^2					
IDENTIFY: Removable shuttle (brake interface), No metal plate under shuttle					
P14/12/10 (*PIVOT*)	AXIAL^1 VERSION 2	**F0PD126**	AXL1 100mm	1 pr	$30.00
IDENTIFY: "hooks"-not screw | ran from 00/01-04/05 | V1, hooks same - V2, left hook has tab					
TEAM 4 (*2 screws*)	COMP J/SAPHIR J	**FC8F002**	COMP J 80mm	1 pr	$20.00
TEAM 2	COMP KID/BABY/PRINCESS				
IDENTIFY: Comp / Team (less than 4.5 DIN)					
	ADULT Xelium&Xpress (Axium w/o shuttle)	**FCDF003**	Adult Xel Brk	1 pr	$9.50
XPRESS *(ZIP) (1 screw)*	KID XELIUM / KID ZIP	**FC0F025**	Jr. Xel Brk	1 pr	$6.00
IDENTIFY: 1 screw secures brake					
PIVOT/FKS BRAKE ASSEMBLIES/TUNRTABLES					
PIVOT 18/14/12	FKS 185/180/155/140/120	**FC6F049**	B75mm	1 pr	$50.00
P18, P15		**FC9F001**	B95mm (*L/wide*)	1 pr	$50.00
		FC9F002	B115mm (*XXL*)	1 pr	$50.00
		FC0F004	B130mm	1 pr	$50.00
IDENTIFY: Full turntable brake and base plate assembly, mounts directly to ski					
HM Brake+base		**FCEF111**	HM 90mm	EA	$42.00
		FCEF112	HM 105mm	EA	$42.00
		FCEF113	HM 120mm	EA	$42.00

TEFLON AFDS

AFD	Item #	Price	Qty
Axm 2screw (SpdSet w/ Adj. in front of toe)	**FC4F011**	$5.50	1 pr
Axm 4screw (SpdSet w/ Adj. behind AFD) (bigger holes, for SpeedSet)	**FC7F007**	$6.50	1 pr
Axm 4screw (smaller holes) Flat Mount / TPI2 / Fluid	**FC7F006**	$5.00	1 pr
18-DIN (for 15&18-DIN toes) FKS 18 & PIVOT 18 modify to work with old 18-toes Old toes: Race155, WC155	**FC9F006**	$7.00	1 pr
FreeWide ("frowning" teflon is 6.7cm wide) FreeSki120 FKS 14 & Pivot 14	**FC9F007**	$8.00	1 pr
MAXFLEX 15&18-DIN (T&H connected by metal strip)	**FC8F014**	$7.50	1 pr
MAXFLEX 12-DIN (T&H connected by metal strip)	**FCCF006**	$12.00	1 pr
Xelium/Xpress Kit	**FCCF001**	$3.50	1 pr

MECHANICAL AFDS

AFD	Item #	Price	Qty
4 screw (**triangular end**) WTIP2 - TPX - TPI2 - FLUID (tab between rear screws for Axl2 & Axm)	**FC6F066**	$7.50	1 pr
INTEGRAL XPI (triangular end) (hole between rear screws, not tab)	**FC4F014**	$7.00	1 pr
4 screw (flat end) (flat end) (big holes for SpeedSet) Flat Mount / TPI2 /Fluid	**FC7F005**	$5.50	1 pr

JUNIOR AFD

Xelium Kid / Xpress Kid Kid-X (black) (kidney bean shapped AFDs) (wht available / NON-INTNVRY)	**FC0F026**	$2.50	1 pr
CompJ (teflon) FDC Jr CompJ - Comp Kid Saphir 45 / Team 4	**FC6F068**	$2.50	1 pr
JR ADAPTER KIT (2shuttles & 2AFDs; AFD says "junior") (no screws)	**FC6F002**	$10.00	1 pr

WTR

WTR 180 For all 18-DIN Bindings *(for use with WTR Soles)*	**FCEF002**	$12.00	1 pr
DUAL (All) For Axl3 Dual or FKS Dual & SPX Dual or Pivot Dual *(for use with WTR Soles)*	**FCEF003**	$8.00	1 pr
KONNECT AFD	**FCFF008**	$6.50	1 pr
AW (All)	**FCHF004**	$8.00	1 pr

> WARRANTY FAQS

DO I NEED RA #?
- No RA# is required to return product for warranty consideration. We track returns from dealers by dealer account number and any internal number or name you want to use.
- Consumer returns are tracked by name only.

DO I NEED TO RETURN THE PRODUCT THROUGH AN AUTHORIZED DEALER?
- We strongly urge you to work through the dealer that you purchased the product from or another authorized dealer. Many times they are able to help correct the problem without the expense of returning it to us. In the case of difficulty doing this we do accept shipments direct from consumers.

WHAT DO I NEED TO INCLUDE WITH MY RETURN?
Please be sure to include the following inside the packaging of the returned product.
- Name
- Physical Return Address (not a PO Box)
- Phone number
- Email address if available
- Brief explanation of the problem
- Proof of purchase

- *If returning boots please return both left and right boot.*
- *Alpine bindings should have both toes and both heels returned*
- *Skis and binding sold as systems should have both skis and binding returned.*
- *Skis that are not system skis should have the bindings removed before returning them.*

I DON'T HAVE MY PROOF OF PURCHASE CAN I STILL RETURN PRODUCT FOR CONSIDERATION?
- If you are unable to locate a proof of purchase you may still return the product for consideration. However there may be cost associated with repair or replacement of the product. If there are charges or the product is not found to be defective you will be notified before any more work is done.
- Product waiting for approval of charges or more information will be held for a maximum of 60 days before the product is returned or destroyed at our option. Notification is by US Postal Service.

HOW LONG DOES IT TAKE?
- We make every effort to inspect and determine a course of action within 24 hours of the day the product is received.
- Product replaced normally ships within 48 hours provided inventory is available.
- Product being repaired normally ships within 14 working days of receipt.
- Normal transit times are approximately 8 days from the east coast and 3 days from the west coast. Express shipping can reduce the transit time but the cost will be the responsibility of the person returning the product to us.

WHO PAYS THE SHIPPING CHARGES?
- The person returning product for consideration is responsible for the freight coming to us. We will not accept collect shipments or issue call tags.
- If the product is deemed a warranty issue we will pay the freight to return the product to you by normal ground transportation.

WHERE DO I SEND IT?
- All products being returned for service or warranty consideration should be returned to the following address:
  The Rossignol Group Distribution Center
  ATTN WARRANTY
  267 N Depot Dr.
  Ogden, UT 84404

- **DO NOT return it to our corporate address in Park City. It will just delay the processing of your claim.**

HOW DO I SEND IT?
- We suggest using either Federal Express Ground or UPS as they can provide you with a tracking number. US Postal Service does not provide daily delivery to this location and pickups from the post office can be sporadic creating some additional delay with processing.
- Packaging need not be excessive. Appropriate sized cardboard boxes or skis / snowboards wrapped in cardboard are generally sufficient. The use of packing peanuts is strongly discouraged.
- Careful thought to packaging may prevent oversize charges on some items.

> QUICK REFERENCE / NOTES

SHOP ID _____

PASSWORD _____

LOOK BINDINGS CONTACT:

Sales Rep(s) _____

_____

Customer Service Rep _____

USA

Customer Service	435-252-3300
Service Center / Warranty	435-252-3300

CANADA

Customer Service	514-933-9971
Service Center / Warranty	514-933-9971 -- ext. 5267

ALL PRODUCTS BEING RETURNED FOR SERVICE OR WARRANTY CONSIDERATION SHOULD BE RETURNED TO THE FOLLOWING ADDRESSES:

USA:
THE ROSSIGNOL GROUP DISTRIBUTION CENTER
ATTN WARRANTY
267 N DEPOT DR.
OGDEN, UT 84404

CANADA:
GROUPE ROSSIGNOL CANADA INC.
ATTN: WARRANTY AND REPAIR
800 GEORGES-CROS
GRANBY, QUEBEC, CANADA J2J 1N2

UNITED STATES

OFFICE:
The Mountain Center
1413 Center Drive, PO Box 981060
Park City, UT 84098
Phone 435 252.3300 · Fax 435 252.3301

SERVICE/WARRANTY:
267 North Depot Drive
Ogden, UT 84404

CANADA

OFFICE:
3700 St-Patrick, Suite 326
Montreal, Québec H4E 1A2
Phone 514 933.9971 · Fax 514 933.3313

SERVICE/WARRANTY:
800 Georges-Cros
Granby, Quebec, Canada J2J 1N2